

TEST REPORT

Applicant: REOLINK TECHNOLOGY PTE. LTD.
Address: 31 KAKI BUKIT ROAD 3, #06-02, TECHLINK,
SINGAPORE 417818
Equipment Type: WiFi module
Model Name: CDO-RL800M4-00
Brand Name: N/A
FCC ID: 2BN5S-2507C
ISED Number: 33667-2507C
Test Standard: 47 CFR Part 15 Subpart E
RSS-Gen Issue 5
RSS-247 Issue 4
(refer to section 3.1)
Sample Arrival Date: Sep. 22, 2025
Test Date: Oct. 12, 2025 - Oct. 20, 2025
Date of Issue: Dec. 02, 2025

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

**Tested by:** He Yuyang**Checked by:** Ye Hongji**Approved by:** Tolan Tu
(Testing Director)

Revision History

Version	Issue Date	Revisions
<u>Rev. 01</u>	<u>Dec. 02, 2025</u>	<u>Initial Issue</u>

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1 GENERAL INFORMATION

1.1 Test Laboratory

Name	Shenzhen BALUN Technology Co., Ltd.
Contact Address	Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Phone Number	+86 755 6685 0100

1.2 Test Location

Name	Shenzhen BALUN Technology Co., Ltd.
Location	☒ Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
	☐ 1/F, Building B, Ganghongji High-tech Intelligent Industrial Park, No. 1008, Songbai Road, Yangguang Community, Xili Sub-district, Nanshan District, Shenzhen, Guangdong Province, P. R. China
	☐ Building 2, Intelligent Connected Vehicle Industrial Park, No. 55, Xiangshan Road, Luotian Community, Yanluo Sub-district, Bao'an District, Shenzhen
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196. The laboratory has been listed by Industry Canada to perform electromagnetic emission measurements. The recognition numbers of test site are 11524A.

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	REOLINK TECHNOLOGY PTE. LTD.
Address	31 KAKI BUKIT ROAD 3, #06-02, TECHLINK, SINGAPORE 417818

2.2 Manufacturer Information

Manufacturer	REOLINK TECHNOLOGY PTE. LTD.
Address	31 KAKI BUKIT ROAD 3, #06-02, TECHLINK, SINGAPORE 417818

2.3 General Description for Equipment under Test (EUT)

EUT Name	WiFi module
Model Name Under Test	CDO-RL800M4-00
Series Model Name	N/A
Description of Model name differentiation	N/A
Serial Number	N/A
Hardware Version	N/A
Software Version	N/A
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Technical Information

Network and Wireless connectivity	Bluetooth (BR+EDR+BLE) WIFI 802.11a, 802.11b, 802.11g, 802.11n, 802.11ac, 802.11ax
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The requirement for the following technical information of the EUT was tested in this report:

Frequency Range	U-NII-1: 5150 MHz to 5250 MHz, U-NII-2A: 5250 MHz to 5350 MHz, U-NII-2C: 5470 MHz to 5725 MHz, U-NII-3: 5725 MHz to 5850 MHz
Product Type	☒ Mobile ☐ Portable ☐ Fix Location Indoor for IC standard
Modulation technology	OFDM, OFDMA
Modulation Type	1024QAM, 256QAM, 64QAM, 16QAM, BPSK, QPSK
Transfer Rate (Mbps) (Single RF path)	802.11a: 54/ 48/ 36/ 24/ 18/ 12/ 9/ 6 Mbps 802.11n: up to 150 Mbps 802.11ac: up to VHT-MCS9 802.11ax up to 286.8 Mbps
Channel Bandwidth	802.11a: 20 MHz 802.11n: 20 MHz, 40 MHz 802.11ac: 20 MHz, 40 MHz 802.11ax: 20 MHz, 40 MHz
Maximum Output Power	U-NII-1: 38.20 mW U-NII-2A: 42.89 mW U-NII-2C: 30.86 mW U-NII-3: 27.38 mW
Antenna System (eg., MIMO, Smart Antenna)	N/A
Categorization as Correlated or Completely Uncorrelated	N/A
Antenna Type	Dipole Antenna FPC Antenna
Antenna Gain	U-NII-1: 5150 MHz to 5250 MHz: 2.02 dBi U-NII-2A: 5250 MHz to 5350 MHz: 2.32 dBi U-NII-2C: 5470 MHz to 5725 MHz: 2.06 dBi U-NII-3: 5725 MHz to 5850 MHz: 2.19 dBi
About the Product	The equipment is WiFi module, intended for used with information technology equipment.

Note: The above EUT information in section 2.4 was declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or user's manual.

2.5 Channel List

20 MHz		40 MHz	
Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)
36	5180	38	5190
40	5200	46	5230
44	5220	54	5270
48	5240	62	5310
52	5260	102	5510
56	5280	110	5550
60	5300	118	5590
64	5320	126	5630
100	5500	134	5670
104	5520	151	5755
108	5540	159	5795
112	5560		
116	5580		
120	5600		
124	5620		
128	5640		
132	5660		
136	5680		
140	5700		
149	5745		
153	5765		
157	5785		
161	5805		
165	5825		

The Lowest frequency, the middle frequency and the highest frequency of channel were selected to perform the test, and the selected channel see below:

For 802.11a/n(HT20)/ac(VHT20)/ax(HE20)

U-NII-1 (5150 - 5250 MHz)			U-NII-2A (5250 - 5350 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
36	Low	5180	52	Low	5260
44	Mid	5220	60	Mid	5300
48	High	5240	64	High	5320

U-NII-2C (5470 - 5725 MHz)			U-NII-3 (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
100	Low	5500	149	Low	5745
116	Mid	5580	157	Mid	5785
140	High	5700	165	High	5825

For 802.11n(HT40)/ac(VHT40)/ax(HE40)

U-NII-1 (5150 - 5250 MHz)			U-NII-2A (5250 - 5350 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
38	Low	5190	54	Low	5270
46	High	5230	62	High	5310

U-NII-2C (5470 - 5725 MHz)			U-NII-3 (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
102	Low	5510	151	Low	5755
118	Mid	5590	159	High	5795
134	High	5670	--	--	--

Note: Preliminary tests were performed in different data rate in above table to find the worst radiated emission. The data rate shown in the table below is the worst-case rate with respect to the specific test item. Investigation has been done on all the possible configurations for searching the worst cases. The following table is a list of the test modes shown in this test report.

Test Items	Mode	Data Rate	Modulation Type	U-NII-1	U-NII-2A	U-NII-2C	U-NII-3
				Channel	Channel	Channel	Channel
RF Output Power	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11n(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ax(20 MHz)	4		48/44/36	64/60/52	140/116/100	165/157/149
	11ax(40 MHz)	8		46/38	62/54	134/118/102	159/151
Emission Bandwidth & 99% Occupied Bandwidth	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11n(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ax(20 MHz)	4		48/44/36	64/60/52	140/116/100	165/157/149
	11ax(40 MHz)	8		46/38	62/54	134/118/102	159/151
6 dB bandwidth	11a	6	BPSK	N/A	N/A	N/A	165/157/149
	11n(20 MHz)	6.5		N/A	N/A	N/A	165/157/149
	11n(40 MHz)	13.5		N/A	N/A	N/A	159/151
	11ac(20 MHz)	6.5		N/A	N/A	N/A	165/157/149
	11ac(40 MHz)	13.5		N/A	N/A	N/A	159/151
	11ax(20 MHz)	4		N/A	N/A	N/A	165/157/149
	11ax(40 MHz)	8		N/A	N/A	N/A	159/151
Power Spectral Density	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11n(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ax(20 MHz)	4		48/44/36	64/60/52	140/116/100	165/157/149
	11ax(40 MHz)	8		46/38	62/54	134/118/102	159/151
Radiated Spurious Emissions	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11n(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ax(20 MHz)	4		48/44/36	64/60/52	140/116/100	165/157/149
	11ax(40 MHz)	8		46/38	62/54	134/118/102	159/151
Band Edge (Restricted-band)	11a	6	BPSK	48/36	64/52	140/100	165/149
	11n(20 MHz)	6.5		48/36	64/52	140/100	165/149
	11n(40 MHz)	13.5		46/38	62/54	134/102	159/151
	11ac(20 MHz)	6.5		48/36	64/52	140/100	165/149

	11ac(40 MHz)	13.5		46/38	62/54	134/102	159/151
	11ax(20 MHz)	4		48/36	64/52	140/100	165/149
	11ax(40 MHz)	8		46/38	62/54	134/102	159/151

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 15 Subpart E	Unlicensed National Information Infrastructure Devices
2	RSS-Gen Issue 5	General Requirements for Compliance of Radio Apparatus
3	RSS-247 Issue 4	Digital Transmission Systems, Frequency Hopping Systems and Licence Exempt Local Area Network Devices in 902-928 MHz, 2400-2483.5 MHz, 5150-5350 MHz, and 5470-5895 MHz bands
4	KDB Publication 789033 D02v02r01	Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E
5	ANSI C63.10-2020	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices

3.2 Test Verdict

No.	Description	FCC Part No.	RSS Part No.	Test Result	Verdict
1	Antenna Requirement	15.203	RSS-247, 6.2	--	Pass ^{Note1}
2	RF Output Power	15.407(a)	RSS-247, 6.2	ANNEX A.1	Pass
3	Emission Bandwidth & 99% Occupied Bandwidth	15.407(a)	RSS-247, 6.2	ANNEX A.2	Pass
4	6 dB bandwidth	15.407(e)	RSS-247, 6.2	ANNEX A.3	Pass
5	Power Spectral Density	15.407(a)	RSS-247, 6.2	ANNEX A.4	Pass
6	Conducted Emission	15.207	RSS-GEN, 8.8	ANNEX A.5	Pass
7	Radiated Spurious Emissions and Band Edge (Restricted-band)	15.407(b)	RSS-247, 6.2	ANNEX A.6	Pass
8	Receiver Spurious Emissions	--	RSS-Gen, 7.1.2	--	N/A ^{Note2}

Note¹: The EUT has a permanently and irreplaceable attached antenna, which complies with the requirement FCC 15.203.

Note²: Only radio communication receivers operating in stand-alone mode within the U-NII-30-960 MHz, as well as scanner receivers, are subject to Industry Canada requirements, so this test is not applicable.

Note³: Under all normal operating conditions specified in the user manual, frequency stability can keep radiation within the operating frequency band.

4 GENERAL TEST CONFIGURATIONS

4.1 Test Environments

During the measurement, the normal environmental conditions were within the listed ranges:

Relative Humidity	46% to 69%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+20.8℃ to +25.1℃
Working Voltage of the EUT	NV (Normal Voltage)	5.0V

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	KEYSIGHT	N9020A	MY56060183	2025.06.16	2026.06.15
Spectrum Analyzer	KEYSIGHT	N9020A	MY52510065	2025.06.16	2026.06.15
Test Antenna-Horn	SCHWARZBECK	BBHA 9120D	01631	2025.02.22	2028.02.21
Test Antenna-Horn	A-INFO	LB-180400KF	J211060273	2024.06.15	2027.06.14
Anechoic Chamber	RAINFORD	9m*6m*6m	144	2025.01.04	2028.01.03
Amplifier	COM-MV	LSCX_LNA1-12G-01	180602	2025.06.17	2026.06.16
Amplifier	COM-MV	XKu_LNA7-18G-01	180601	2025.06.17	2026.06.16
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2025.06.16	2026.06.15
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9168	9168-01162	2023.08.04	2026.08.03
Test Antenna-Loop	SCHWARZBECK	FMZB 1519	1519-037	2024.01.23	2027.01.22
Amplifier	COM-MV	ZT30-1000M	B2018054558	2024.11.28	2025.11.27
Anechoic Chamber	EMC Electronic Co., Ltd	20.10*11.60*7.35m	130	2024.07.13	2027.07.12
EMI Receiver	KEYSIGHT	N9010B	MY57110309	2025.06.16	2026.06.15
LISN	SCHWARZBECK	NSLK 8127	8127-687	2025.04.29	2026.04.28
Shielded Enclosure	YiHeng Electronic Co., Ltd	3.5m*3.1m*2.8m	112	2025.02.14	2028.02.13

4.3 Test Software List

Description	Manufacturer	Software Version	Serial No.	Applicable test Setup
BL410R	BALUN	V2.1.1.488	N/A	The section 4.5.1
BL410E	BALUN	V22.930	N/A	The section 4.5.2&4.5.3&4.5.4&4.5.5

4.4 Measurement Uncertainty

The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2.

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Parameters	Uncertainty
Occupied Channel Bandwidth	2.8%
RF output power, conducted	1.28 dB
Power Spectral Density, conducted	1.30 dB
Unwanted Emissions, conducted	1.84 dB
All emissions, radiated	5.36 dB
Temperature	0.8°C
Humidity	4%

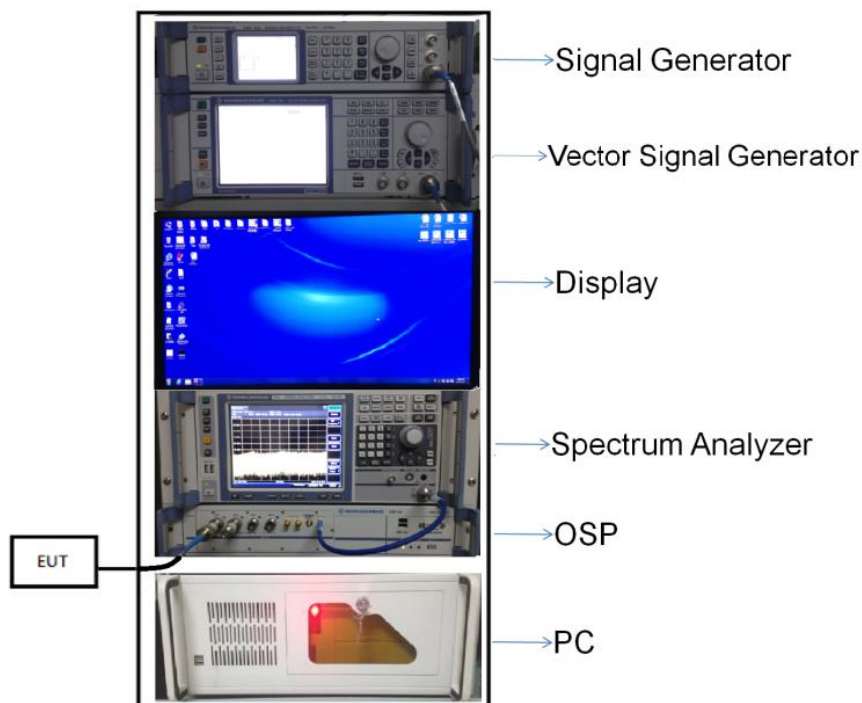
4.5 Description of Test Setup

4.5.1 For Antenna Port Test

Conducted value (dBm) = Measurement value (dBm) + cable loss (dB)

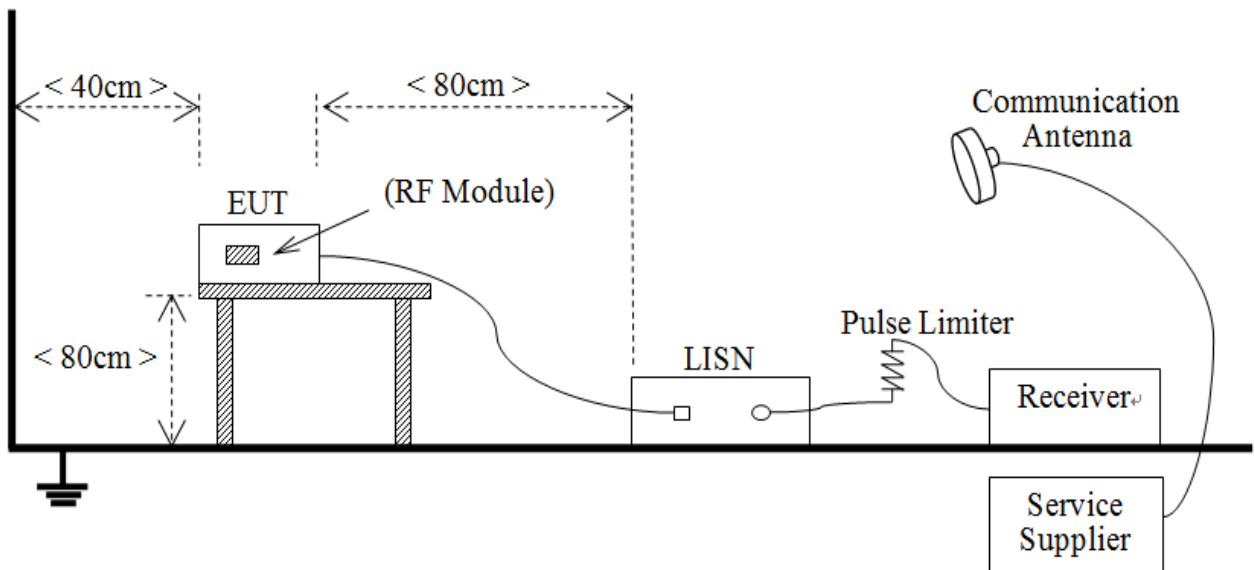
For example: the measurement value is 10 dBm and the cable 0.5dBm used, then the final result of EUT:

Conducted value (dBm) = 10 dBm + 0.5 dB = 10.5 dBm



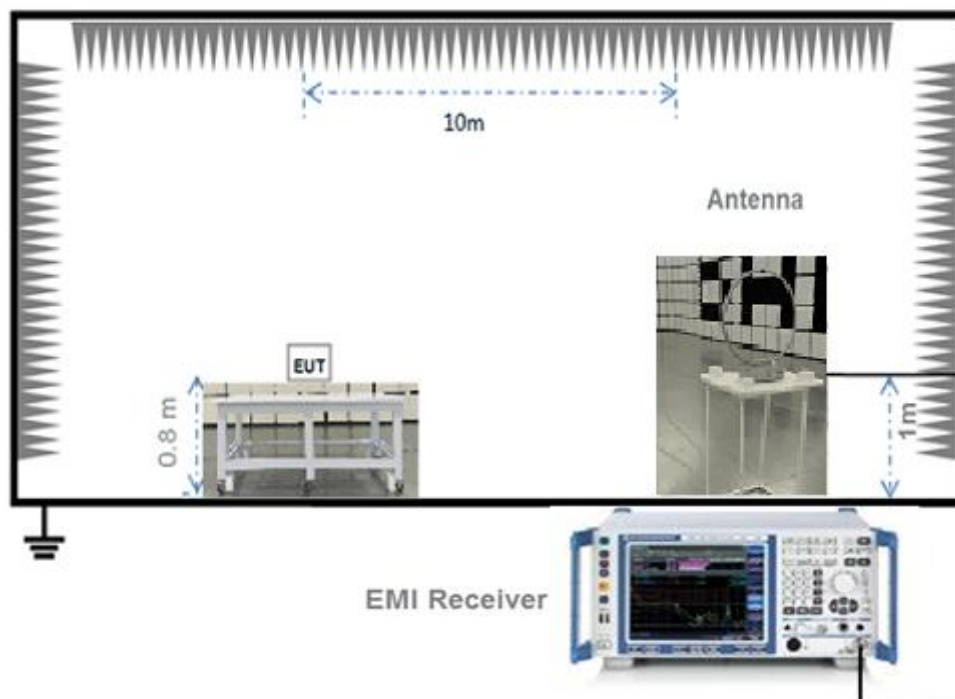
(Diagram 1)

4.5.2 For AC Power Supply Port Test



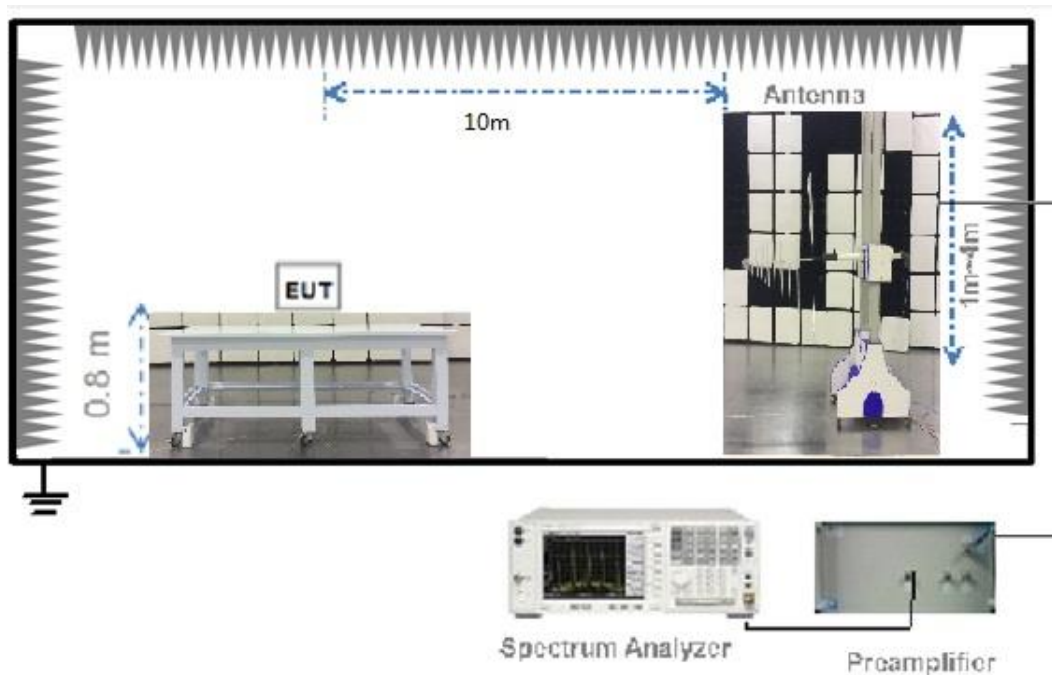
(Diagram 2)

4.5.3 For Radiated Test (Below 30 MHz)



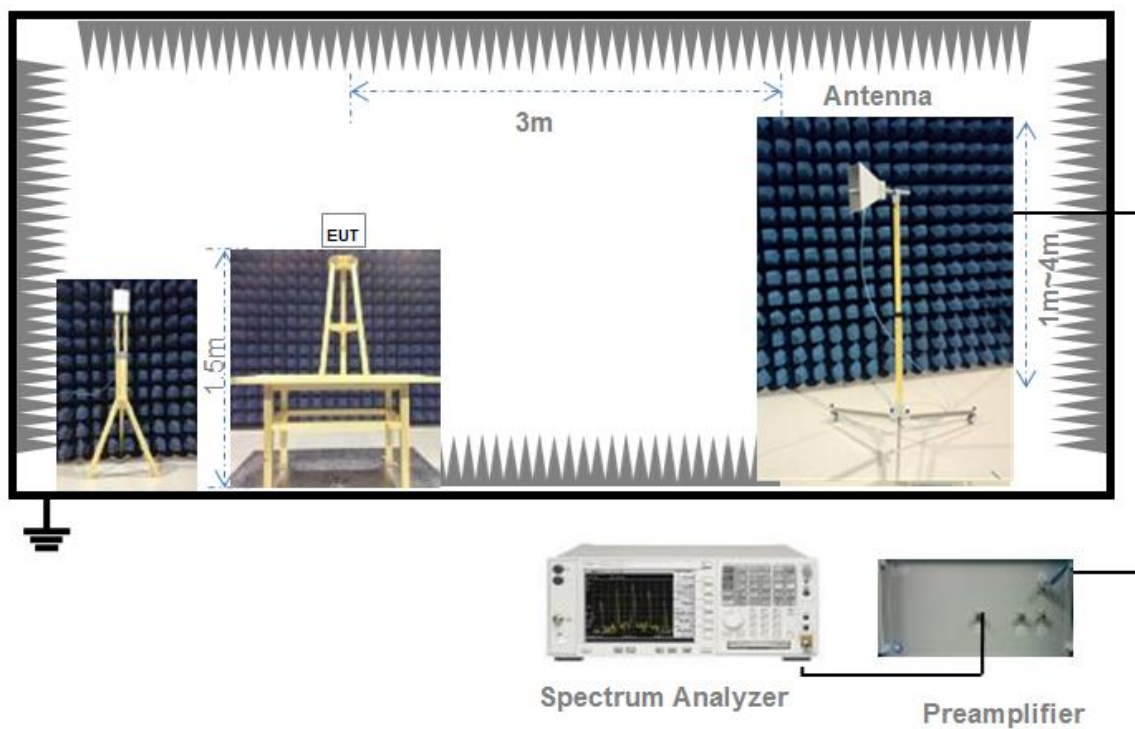
(Diagram 3)

4.5.4 For Radiated Test (30 MHz-1 GHz)



(Diagram 4)

4.5.5 For Radiated Test (Above 1 GHz)



(Diagram 5)

5 TEST ITEMS

5.1 RF Output Power

5.1.1 Test Limit

FCC §15.407(a)

The maximum conducted output power should not exceed:

Frequency Band (MHz)	Limit
5150-5250	250 mW
5250-5350	250 mW or 11 dBm + 10log B, whichever is less.
5470-5725	250 mW or 11 dBm + 10log B, whichever is less.
5725-5850	1 W
Note: Where “B” is the 26 dB emissions bandwidth in MHz.	

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The maximum conducted output power shall not exceed:

Frequency Band (MHz)	Limit
5150-5250	N/A
5250-5350	250 mW or 11 dBm + 10log B, whichever is less.
5470-5725	250 mW or 11 dBm + 10log B, whichever is less.
5725-5850	1 W
Note: Where “B” is the 99% emissions bandwidth in MHz.	

The maximum e.i.r.p. shall not exceed:

Frequency Band (MHz)	Limit
5150-5250	200 mW or 10 dBm + 10log B, whichever is less.
5250-5350	1W or 17 dBm + 10log B, whichever is less.
5470-5725	1W or 17 dBm + 10log B, whichever is less.
5725-5850	N/A
Note1: Where “B” is the 99% emissions bandwidth in MHz.	
Note2: EIRP= maximum conducted output power+ Antenna Gain.	

5.1.2 Test Setup

The section 4.5.1 (Diagram 1) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.1.3 Test Procedure

Maximum conducted (average) output power

a) Measurements may be performed using a wideband RF power meter with a thermocouple detector or equivalent if all of the conditions listed below are satisfied.

- 1) The EUT is configured to transmit continuously or to transmit with a constant duty cycle.
- 2) At all times when the EUT is transmitting, it shall be transmitting at its maximum power control level.
- 3) The integration period of the power meter exceeds the repetition period of the transmitted signal by

at least a factor of five.

b) If the transmitter does not transmit continuously, measure the duty cycle (x) of the transmitter output signal.

c) Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter.

d) Adjust the measurement in dBm by adding $10 \log (1/x)$ where x is the duty cycle.

Measurements of duty cycle

The zero-span mode on a spectrum analyzer or EMI receiver if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the on and off times of the transmitted signal.

Set the center frequency of the instrument to the center frequency of the transmission.

Set $RBW \geq OBW$ if possible; otherwise, set RBW to the largest available value.

Set $VBW \geq RBW$. Set detector = peak or average.

The zero-span measurement method shall not be used unless both RBW and VBW are $> 50/T$ and the number of sweep points across duration T exceeds 100. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring duty cycle shall not be used if $T \leq 16.7$ microseconds.)

The E.I.R.P used radiated test method. At a test site that has been validated using the procedures of ANSI C63.10 or the latest CISPR 16-1-4 for measurements above 1 GHz, so as to simulate a near free-space environment.

5.1.4 Test Result

Please refer to ANNEX A.1.

5.2 Emission Bandwidth and 6 dB Bandwidth

5.2.1 Limit

FCC §15.407(a), RSS-247, 6.2

Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

5.2.2 Test Setup

The test setup photo please refer to 4.5.1 (Diagram 1) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.2.3 Test Procedure

Emission bandwidth

1. Set RBW = approximately 1% of the emission bandwidth.
2. Set VBW $\geq 3 \times$ RBW,
3. Detector = Peak.
4. Trace mode = Max hold.
5. Measure the maximum width of the emission that is 26 dB down from the peak of the emission.

Occupied Bandwidth

1. Set Span = 1.5 times to 5.0 times the OBW
2. Set RBW = 1% to 5% of the OBW.
3. Set VBW $\geq 3 \times$ RBW, Detector = Peak.
4. Trace mode = Max hold.
5. Use the 99% power bandwidth function of the instrument.

6 dB bandwidth

1. Set RBW = 100 kHz, VBW = 300 kHz.
2. Detector = Peak. Trace mode = Max hold.
3. Allow the trace to stabilize.
4. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

5.2.4 Test Result

Please refer to ANNEX A.2 and ANNEX A.3.

5.3 Power Spectral density (PSD)

5.3.1 Limit

FCC §15.407(a)

The maximum power spectral density should not exceed:

Frequency Band (MHz)	Limit
5150-5250	11 dBm/MHz
5250-5350	11 dBm/MHz
5470-5725	11 dBm/MHz
5725-5850	30 dBm/500kHz

RSS-247, 6.2

The maximum power spectral density should not exceed:

Frequency Band (MHz)	Limit
5150-5250	N/A
5250-5350	11 dBm/MHz
5470-5725	11 dBm/MHz
5725-5850	30 dBm/500kHz

The e.i.r.p. spectral density should not exceed:

Frequency Band (MHz)	Limit
5150-5250	10 dBm/MHz
5250-5350	N/A
5470-5725	N/A
5725-5850	N/A
e.i.r.p. spectral density= maximum power spectral density+ Antenna Gain.	

5.3.2 Test Setup

The section 4.5.1 (Diagram 1) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.3.3 Test Procedure

Set the spectrum analyzer or EMI receiver span to view the entire emission bandwidth.

1. Set RBW = 510 kHz/1 MHz, VBW $\geq 3 \times$ RBW, Sweep time = Auto, Detector = RMS.
2. Allow the sweeps to continue until the trace stabilizes.
3. Use the peak marker function to determine the maximum amplitude level.
4. The E.I.R.P spectral density used radiated test method. At a test site that has been validated using the procedures of ANSI C63.10 or the latest CISPR 16-1-4 for measurements above 1 GHz, so as to simulate a near free-space environment.

5.3.4 Test Result

Please refer to ANNEX A.4.

5.4 Conducted Emission

5.4.1 Limit

FCC §15.207, RSS-GEN, 8.8

For an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency within the U-NII-150 kHz to 30 MHz shall not exceed the limits in the following table, as measured using a 50 μ H/50 Ω line impedance stabilization network (LISN).

Frequency range (MHz)	Conducted Limit (dB μ V)	
	Quai-peak	Average
0.15 - 0.50	66 to 56	56 to 46
0.50 - 5	56	46
0.50 - 30	60	50

5.4.2 Test Setup

The section 4.5.2 (Diagram 2) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.4.3 Test Procedure

The maximum conducted interference is searched using Peak (PK), if the emission levels more than the AV and QP limits, and that have narrow margins from the AV and QP limits will be re-measured with AV and QP detectors. Tests for both L phase and N phase lines of the power mains connected to the EUT are performed. Refer to recorded points and plots below.

5.4.4 Test Result

Please refer to ANNEX A.5.

5.5 Radiated Spurious Emissions and Band Edge (Restricted-band)

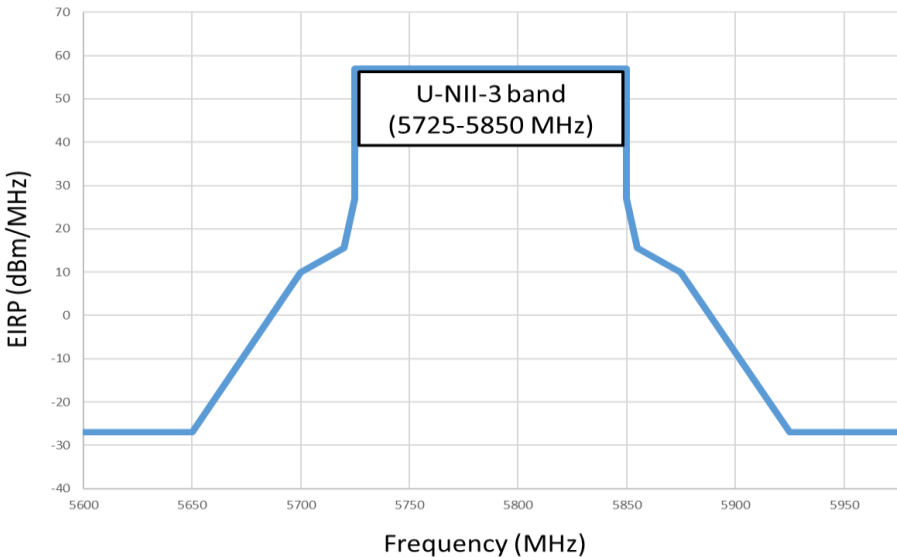
5.5.1 Limit

FCC §15.209 & 15.407(b), RSS-247, 6.2

Frequency (MHz)	Field Strength ($\mu\text{V/m}$)	Measurement Distance (m)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 - 30.0	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

Note ¹: The Limit for radiated test was performed according to FCC Part 15C

Note ²: The tighter limit applies at the band edge.

Un-restricted band emissions	
Out Operating Band (MHz)	Limit
5150 - 5250	e.i.r.p. -27 dBm (68.2 dBuV/m@3m)
5250 - 5350	e.i.r.p. -27 dBm (68.2 dBuV/m@3m)
5470 - 5725	e.i.r.p. -27 dBm (68.2 dBuV/m@3m)
5725 - 5850	All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge. 

Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength.

5.5.2 Test Setup

The section 4.5.3-4.5.5 (Diagram 3 - Diagram 5) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.5.3 Test Procedure

Since the emission limits are specified in terms of radiated field strength levels, measurements performed to demonstrate compliance have traditionally relied on a radiated test configuration. Radiated measurements remain the principal method for demonstrating compliance to the specified limits; however antenna-port conducted measurements are also now acceptable to demonstrate compliance (see below for details). When radiated measurements are utilized, test site requirements and procedures for maximizing and measuring radiated emissions that are described in ANSI C63.10 shall be followed.

Antenna-port conducted measurements may also be used as an alternative to radiated measurements for demonstrating compliance in the restricted frequency bands. If conducted measurements are performed, then proper impedance matching must be ensured and an additional radiated test for cabinet/case spurious emissions is required.

General Procedure for conducted measurements in restricted bands

- a) Measure the conducted output power (in dBm) using the detector specified (see guidance regarding measurement procedures for determining quasi-peak, peak, and average conducted output power, respectively).
- b) Add the appropriate maximum ground reflection factor to the EIRP level (6 dB for frequencies ≤ 30 MHz, 4.7 dB for frequencies between 30 MHz and 1000 MHz, inclusive and 0 dB for frequencies > 1000 MHz).
- c) For devices with multiple antenna-ports, measure the power of each individual chain and sum the EIRP of all chains in linear terms (e.g., Watts, mW).
- d) Convert the resultant EIRP level to an equivalent electric field strength using the following relationship:

$$E = \text{EIRP} - 20\log D + 104.8$$

where:

E = electric field strength in dB μ V/m,

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

- e) Compare the resultant electric field strength level to the applicable limit.
- f) Perform radiated spurious emission test.

Quasi-Peak measurement procedure

The specifications for measurements using the CISPR quasi-peak detector can be found in Publication 16 of the International Special Committee on Radio Frequency Interference (CISPR) of the International Electrotechnical Commission.

As an alternative to CISPR quasi-peak measurement, compliance can be demonstrated to the applicable

emission limits using a peak detector.

Peak power measurement procedure

Peak emission levels are measured by setting the instrument as follows:

- a) RBW = as specified in Table 1.
- b) VBW $\geq 3 \times$ RBW.
- c) Detector = Peak.
- d) Sweep time = auto.
- e) Trace mode = max hold.
- f) Allow sweeps to continue until the trace stabilizes. (Note that the required measurement time may be longer for low duty cycle applications).

Table 1—RBW as a function of frequency

Frequency	RBW
9-150 kHz	200-300 Hz
0.15-30 MHz	9-10 kHz
30-1000 MHz	100-120 kHz
> 1000 MHz	1 MHz

If the peak-detected amplitude can be shown to comply with the average limit, then it is not necessary to perform a separate average measurement.

Trace averaging across on and off times of the EUT transmissions followed by duty cycle correction

If continuous transmission of the EUT (i.e., duty cycle ≥ 98 percent) cannot be achieved and the duty cycle is constant (i.e., duty cycle variations are less than ± 2 percent), then the following procedure shall be used:

- a) The EUT shall be configured to operate at the maximum achievable duty cycle.
- b) Measure the duty cycle, x , of the transmitter output signal as described in section 6.0.
- c) RBW = 1 MHz (unless otherwise specified).
- d) VBW $\geq 3 \times$ RBW.
- e) Detector = RMS, if $\text{span}/(\# \text{ of points in sweep}) \leq (\text{RBW}/2)$. Satisfying this condition may require increasing the number of points in the sweep or reducing the span. If this condition cannot be satisfied, then the detector mode shall be set to peak.
- f) Averaging type = power (i.e., RMS).
 - 1) As an alternative, the detector and averaging type may be set for linear voltage averaging.
 - 2) Some instruments require linear display mode in order to use linear voltage averaging. Log or dB averaging shall not be used.
- g) Sweep time = auto.

h) Perform a trace average of at least 100 traces.

i) A correction factor shall be added to the measurement results prior to comparing to the emission limit in order to compute the emission level that would have been measured had the test been performed at 100 percent duty cycle. The correction factor is computed as follows:

1) If power averaging (RMS) mode was used in step f), then the applicable correction factor is $10 \log(1/x)$, where x is the duty cycle.

2) If linear voltage averaging mode was used in step f), then the applicable correction factor is $20 \log(1/x)$, where x is the duty cycle.

3) If a specific emission is demonstrated to be continuous (≥ 98 percent duty cycle) rather than turning on and off with the transmit cycle, then no duty cycle correction is required for that emission.

NOTE: Reduction of the measured emission amplitude levels to account for operational duty factor is not permitted. Compliance is based on emission levels occurring during transmission - not on an average across on and off times of the transmitter.

Determining the applicable transmit antenna gain

A conducted power measurement will determine the maximum output power associated with a restricted band emission; however, in order to determine the associated EIRP level, the gain of the transmitting antenna (in dBi) must be added to the measured output power (in dBm).

Since the out-of-band characteristics of the EUT transmit antenna will often be unknown, the use of a conservative antenna gain value is necessary. Thus, when determining the EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2 dBi, whichever is greater. However, for devices that operate in multiple frequency bands while using the same transmit antenna, the highest gain of the antenna within the operating band nearest in frequency to the restricted band emission being measured may be used in lieu of the overall highest gain when the emission is at a frequency that is within 20 percent of the nearest band edge frequency, but in no case shall a value less than 2 dBi be used.

See KDB 662911 for guidance on calculating the additional array gain term when determining the effective antenna gain for a EUT with multiple outputs occupying the same or overlapping frequency ranges in the same band.

Radiated spurious emission test

An additional consideration when performing conducted measurements of restricted band emissions is that unwanted emissions radiating from the EUT cabinet, control circuits, power leads, or intermediate circuit elements will likely go undetected in a conducted measurement configuration. To address this concern, a radiated test shall be performed to ensure that emissions emanating from the EUT cabinet (rather than the antenna port) also comply with the applicable limits.

For these cabinet radiated spurious emission measurements the EUT transmit antenna may be replaced with a termination matching the nominal impedance of the antenna. Procedures for performing radiated measurements are specified in ANSI C63.10. All detected emissions shall comply with the applicable limits.

The measurement frequency range is from 30 MHz to the 10th harmonic of the fundamental frequency. The Turn Table is actuated to turn from 0° to 360°, and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. Mid channels on all channel bandwidth verified. Only the worst RB size/offset presented.

The power of the EUT transmitting frequency should be ignored.

All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

RBW = 1 MHz for $f \geq 1$ GHz, 100 kHz for $f < 1$ GHz

VBW $\geq$ RBW

Sweep = auto

Detector function = peak

Trace = max hold

5.5.4 Test Result

Please refer to ANNEX A.6.

ANNEX A TEST RESULT

A.1 RF Output Power

Note ¹: For FCC standard, if transmitting antennas of directional gain greater than 6 dBi are used, all band maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Note ²: For IC standard, the U-NII-3 (5725 - 5850 MHz) maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Duty Cycle

Test Mode	On Time (ms)	On+Off time (ms)	Duty Cycle	Duty Factor
11a	1.39	1.43	97.48%	0.11
11n(HT20)/11ac(VHT20)	1.30	1.41	92.60%	0.33
11n(HT40)/11ac(VHT40)	0.65	0.75	86.20%	0.65
11ax(HE20)	1.02	1.06	96.40%	0.16
11ax(HE40)	0.54	0.64	83.91%	0.76

Test DataConducted PowerFCC&IC 格式

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	15.33	34.13	250	Pass
11a	CH44	15.46	35.16	250	Pass
11a	CH48	15.82	38.20	250	Pass
11n(HT20)	CH36	15.43	34.94	250	Pass
11n(HT20)	CH44	15.57	36.09	250	Pass
11n(HT20)	CH48	15.73	37.44	250	Pass
11n(HT40)	CH38	15.10	32.32	250	Pass
11n(HT40)	CH46	15.37	34.40	250	Pass
11ac(VHT20)	CH36	15.21	33.22	250	Pass
11ac(VHT20)	CH44	15.57	36.09	250	Pass
11ac(VHT20)	CH48	15.76	37.70	250	Pass
11ac(VHT40)	CH38	15.21	33.15	250	Pass
11ac(VHT40)	CH46	15.16	32.77	250	Pass
11ax(HE20)(SU)	CH36	15.01	31.69	250	Pass
11ax(HE20)(SU)	CH44	14.96	31.33	250	Pass
11ax(HE20)(SU)	CH48	15.43	34.91	250	Pass
11ax(HE40)(SU)	CH38	15.03	31.86	250	Pass
11ax(HE40)(SU)	CH46	15.19	33.05	250	Pass

U-NII-2A (5250 - 5350 MHz)						
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	IC Limit (mW)	Verdict
11a	CH52	16.26	42.27	213	212	Pass
11a	CH60	16.29	42.57	213	212	Pass
11a	CH64	15.97	39.54	213	212	Pass
11n(HT20)	CH52	16.32	42.89	227	226	Pass
11n(HT20)	CH60	16.32	42.89	227	227	Pass
11n(HT20)	CH64	16.15	41.25	227	226	Pass
11n(HT40)	CH54	15.80	37.98	250	250	Pass
11n(HT40)	CH62	15.90	38.86	250	250	Pass
11ac(VHT20)	CH52	16.26	42.30	227	227	Pass
11ac(VHT20)	CH60	16.19	41.63	227	227	Pass
11ac(VHT20)	CH64	16.31	42.79	227	227	Pass
11ac(VHT40)	CH54	15.69	37.03	250	250	Pass
11ac(VHT40)	CH62	16.09	40.60	250	250	Pass
11ax(HE20)(SU)	CH52	15.95	39.35	242	241	Pass
11ax(HE20)(SU)	CH60	15.86	38.54	242	242	Pass
11ax(HE20)(SU)	CH64	15.69	37.06	242	241	Pass
11ax(HE40)(SU)	CH54	16.02	40.01	250	250	Pass
11ax(HE40)(SU)	CH62	15.93	39.19	250	250	Pass

U-NII-2C (5470 - 5725 MHz)						
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	IC Limit (mW)	Verdict
11a	CH100	14.59	28.78	214	214	Pass
11a	CH116	14.62	28.98	215	214	Pass
11a	CH140	12.57	18.08	215	215	Pass
11n(HT20)	CH100	14.32	27.06	229	228	Pass
11n(HT20)	CH116	14.89	30.86	229	228	Pass
11n(HT20)	CH140	12.79	19.03	230	228	Pass
11n(HT40)	CH102	13.79	23.91	250	250	Pass
11n(HT40)	CH118	14.42	27.64	250	250	Pass
11n(HT40)	CH134	12.85	19.25	250	250	Pass
11ac(VHT20)	CH100	14.36	27.31	229	229	Pass
11ac(VHT20)	CH116	14.67	29.33	229	228	Pass
11ac(VHT20)	CH140	12.77	18.94	229	229	Pass
11ac(VHT40)	CH102	13.98	24.97	250	250	Pass
11ac(VHT40)	CH118	14.41	27.57	250	250	Pass
11ac(VHT40)	CH134	12.90	19.48	250	250	Pass
11ax(HE20)(SU)	CH100	14.04	25.35	243	243	Pass
11ax(HE20)(SU)	CH116	14.44	27.79	243	243	Pass
11ax(HE20)(SU)	CH140	12.60	18.19	243	243	Pass
11ax(HE40)(SU)	CH102	13.95	24.84	250	250	Pass
11ax(HE40)(SU)	CH118	14.45	27.87	250	250	Pass
11ax(HE40)(SU)	CH134	13.15	20.66	250	250	Pass

U-NII-3 (5725 - 5850 MHz)						
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	IC Limit (mW)	Verdict
11a	CH149	14.31	26.98	1000	1000	Pass
11a	CH157	13.72	23.55	1000	1000	Pass
11a	CH165	12.98	19.86	1000	1000	Pass
11n(HT20)	CH149	14.34	27.19	1000	1000	Pass
11n(HT20)	CH157	13.89	24.51	1000	1000	Pass
11n(HT20)	CH165	13.17	20.77	1000	1000	Pass
11n(HT40)	CH151	13.97	24.92	1000	1000	Pass
11n(HT40)	CH159	13.35	21.60	1000	1000	Pass
11ac(VHT20)	CH149	14.37	27.38	1000	1000	Pass
11ac(VHT20)	CH157	13.85	24.29	1000	1000	Pass
11ac(VHT20)	CH165	13.10	20.43	1000	1000	Pass
11ac(VHT40)	CH151	13.84	24.18	1000	1000	Pass
11ac(VHT40)	CH159	13.32	21.45	1000	1000	Pass
11ax(HE20)(SU)	CH149	14.02	25.23	1000	1000	Pass
11ax(HE20)(SU)	CH157	13.63	23.06	1000	1000	Pass
11ax(HE20)(SU)	CH165	12.88	19.41	1000	1000	Pass
11ax(HE40)(SU)	CH151	13.97	24.96	1000	1000	Pass
11ax(HE40)(SU)	CH159	13.22	21.00	1000	1000	Pass

E.I.R.P

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH36	17.35	54.34	169	Pass
11a	CH44	17.48	55.99	168	Pass
11a	CH48	17.84	60.82	168	Pass
11n(HT20)	CH36	17.45	55.64	180	Pass
11n(HT20)	CH44	17.59	57.46	180	Pass
11n(HT20)	CH48	17.75	59.62	180	Pass
11n(HT40)	CH38	17.12	51.46	200	Pass
11n(HT40)	CH46	17.39	54.76	200	Pass
11ac(VHT20)	CH36	17.23	52.89	180	Pass
11ac(VHT20)	CH44	17.59	57.46	180	Pass
11ac(VHT20)	CH48	17.78	60.03	180	Pass
11ac(VHT40)	CH38	17.23	52.78	200	Pass
11ac(VHT40)	CH46	17.18	52.18	200	Pass
11ax(HE20)(SU)	CH36	17.03	50.46	192	Pass
11ax(HE20)(SU)	CH44	16.98	49.88	192	Pass
11ax(HE20)(SU)	CH48	17.45	55.58	192	Pass
11ax(HE40)(SU)	CH38	17.05	50.72	200	Pass
11ax(HE40)(SU)	CH46	17.21	52.63	200	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH52	18.58	72.12	844	Pass
11a	CH60	18.61	72.62	845	Pass
11a	CH64	18.29	67.47	844	Pass
11n(HT20)	CH52	18.64	73.18	901	Pass
11n(HT20)	CH60	18.64	73.18	902	Pass
11n(HT20)	CH64	18.47	70.37	900	Pass
11n(HT40)	CH54	18.12	64.79	1000	Pass
11n(HT40)	CH62	18.22	66.30	1000	Pass
11ac(VHT20)	CH52	18.58	72.17	902	Pass
11ac(VHT20)	CH60	18.51	71.02	902	Pass
11ac(VHT20)	CH64	18.63	73.01	902	Pass
11ac(VHT40)	CH54	18.01	63.17	1000	Pass
11ac(VHT40)	CH62	18.41	69.26	1000	Pass
11ax(HE20)(SU)	CH52	18.27	67.13	960	Pass
11ax(HE20)(SU)	CH60	18.18	65.75	962	Pass
11ax(HE20)(SU)	CH64	18.01	63.23	961	Pass
11ax(HE40)(SU)	CH54	18.34	68.26	1000	Pass
11ax(HE40)(SU)	CH62	18.25	66.86	1000	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH100	16.65	46.25	851	Pass
11a	CH116	16.68	46.57	852	Pass
11a	CH140	14.63	29.05	855	Pass
11n(HT20)	CH100	16.38	43.49	908	Pass
11n(HT20)	CH116	16.95	49.59	909	Pass
11n(HT20)	CH140	14.85	30.58	909	Pass
11n(HT40)	CH102	15.85	38.42	1000	Pass
11n(HT40)	CH118	16.48	44.41	1000	Pass
11n(HT40)	CH134	14.91	30.94	1000	Pass
11ac(VHT20)	CH100	16.42	43.89	910	Pass
11ac(VHT20)	CH116	16.73	47.14	909	Pass
11ac(VHT20)	CH140	14.83	30.44	912	Pass
11ac(VHT40)	CH102	16.04	40.13	1000	Pass
11ac(VHT40)	CH118	16.47	44.31	1000	Pass
11ac(VHT40)	CH134	14.96	31.30	1000	Pass
11ax(HE20)(SU)	CH100	16.10	40.73	967	Pass
11ax(HE20)(SU)	CH116	16.50	44.66	966	Pass
11ax(HE20)(SU)	CH140	14.66	29.24	966	Pass
11ax(HE40)(SU)	CH102	16.01	39.92	1000	Pass
11ax(HE40)(SU)	CH118	16.51	44.79	1000	Pass
11ax(HE40)(SU)	CH134	15.21	33.20	1000	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	Verdict
11a	CH149	16.50	44.68	Pass
11a	CH157	15.91	39.00	Pass
11a	CH165	15.17	32.89	Pass
11n(HT20)	CH149	16.53	45.02	Pass
11n(HT20)	CH157	16.08	40.59	Pass
11n(HT20)	CH165	15.36	34.39	Pass
11n(HT40)	CH151	16.16	41.26	Pass
11n(HT40)	CH159	15.54	35.77	Pass
11ac(VHT20)	CH149	16.56	45.33	Pass
11ac(VHT20)	CH157	16.04	40.21	Pass
11ac(VHT20)	CH165	15.29	33.84	Pass
11ac(VHT40)	CH151	16.03	40.04	Pass
11ac(VHT40)	CH159	15.51	35.52	Pass
11ax(HE20)(SU)	CH149	16.21	41.77	Pass
11ax(HE20)(SU)	CH157	15.82	38.19	Pass
11ax(HE20)(SU)	CH165	15.07	32.13	Pass
11ax(HE40)(SU)	CH151	16.16	41.32	Pass
11ax(HE40)(SU)	CH159	15.41	34.77	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note ¹: Test plots please refer to the document “Annex No.: BL-SZ2591189-604 Data Part 1.pdf”.

Test Data

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	16.96	16.91
11a	CH44	16.85	16.84
11a	CH48	16.85	16.83
11n(HT20)	CH36	17.97	17.96
11n(HT20)	CH44	18.01	17.97
11n(HT20)	CH48	17.99	17.97
11n(HT40)	CH38	36.18	36.16
11n(HT40)	CH46	36.17	36.17
11ac(VHT20)	CH36	18.00	17.97
11ac(VHT20)	CH44	18.00	17.97
11ac(VHT20)	CH48	18.00	17.98
11ac(VHT40)	CH38	36.22	36.15
11ac(VHT40)	CH46	36.21	36.21
11ax(HE20)(SU)	CH36	19.17	19.18
11ax(HE20)(SU)	CH44	19.19	19.18
11ax(HE20)(SU)	CH48	19.16	19.17
11ax(HE40)(SU)	CH38	37.59	37.53
11ax(HE40)(SU)	CH46	37.60	37.56

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH52	16.93	16.84
11a	CH60	16.92	16.85
11a	CH64	16.90	16.84
11n(HT20)	CH52	18.02	17.98
11n(HT20)	CH60	18.01	17.99
11n(HT20)	CH64	18.04	17.96
11n(HT40)	CH54	36.23	36.19
11n(HT40)	CH62	36.23	36.20
11ac(VHT20)	CH52	18.03	18.00
11ac(VHT20)	CH60	18.04	18.00
11ac(VHT20)	CH64	18.06	18.01
11ac(VHT40)	CH54	36.24	36.25
11ac(VHT40)	CH62	36.25	36.30
11ax(HE20)(SU)	CH52	19.22	19.16
11ax(HE20)(SU)	CH60	19.21	19.19
11ax(HE20)(SU)	CH64	19.20	19.17
11ax(HE40)(SU)	CH54	37.61	37.63
11ax(HE40)(SU)	CH62	37.64	37.64

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH100	17.01	16.97
11a	CH116	17.08	17.00
11a	CH140	17.10	17.06
11n(HT20)	CH100	18.18	18.12
11n(HT20)	CH116	18.18	18.13
11n(HT20)	CH140	18.24	18.14
11n(HT40)	CH102	36.40	36.37
11n(HT40)	CH118	36.40	36.39
11n(HT40)	CH134	36.45	36.44
11ac(VHT20)	CH100	18.19	18.15
11ac(VHT20)	CH116	18.19	18.14
11ac(VHT20)	CH140	18.21	18.19
11ac(VHT40)	CH102	36.46	36.46
11ac(VHT40)	CH118	36.46	36.46
11ac(VHT40)	CH134	36.48	36.49
11ax(HE20)(SU)	CH100	19.31	19.30
11ax(HE20)(SU)	CH116	19.32	19.28
11ax(HE20)(SU)	CH140	19.34	19.28
11ax(HE40)(SU)	CH102	37.84	37.82
11ax(HE40)(SU)	CH118	37.82	37.82
11ax(HE40)(SU)	CH134	37.85	37.86

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	17.17	17.11
11a	CH157	17.11	17.05
11a	CH165	17.07	17.01
11n(HT20)	CH149	18.27	18.17
11n(HT20)	CH157	18.22	18.16
11n(HT20)	CH165	18.17	18.16
11n(HT40)	CH151	36.48	36.45
11n(HT40)	CH159	36.45	36.41
11ac(VHT20)	CH149	18.30	18.24
11ac(VHT20)	CH157	18.22	18.19
11ac(VHT20)	CH165	18.19	18.16
11ac(VHT40)	CH151	36.51	36.50
11ac(VHT40)	CH159	36.47	36.51
11ax(HE20)(SU)	CH149	19.37	19.31
11ax(HE20)(SU)	CH157	19.36	19.29
11ax(HE20)(SU)	CH165	19.35	19.30
11ax(HE40)(SU)	CH151	37.87	37.85
11ax(HE40)(SU)	CH159	37.83	37.87

A.3 6 dB Bandwidth

Note ¹: Test plots please refer to the document “Annex No.: BL-SZ2591189-604 Data Part 2.pdf”.

Test Data

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	16.45	500.00	Pass
11a	CH157	16.50	500.00	Pass
11a	CH165	16.50	500.00	Pass
11n(HT20)	CH149	17.70	500.00	Pass
11n(HT20)	CH157	17.70	500.00	Pass
11n(HT20)	CH165	17.70	500.00	Pass
11n(HT40)	CH151	35.90	500.00	Pass
11n(HT40)	CH159	36.15	500.00	Pass
11ac(VHT20)	CH149	17.70	500.00	Pass
11ac(VHT20)	CH157	17.70	500.00	Pass
11ac(VHT20)	CH165	17.70	500.00	Pass
11ac(VHT40)	CH151	35.85	500.00	Pass
11ac(VHT40)	CH159	36.05	500.00	Pass
11ax(HE20)(SU)	CH149	19.10	500.00	Pass
11ax(HE20)(SU)	CH157	19.15	500.00	Pass
11ax(HE20)(SU)	CH165	19.10	500.00	Pass
11ax(HE40)(SU)	CH151	37.70	500.00	Pass
11ax(HE40)(SU)	CH159	37.20	500.00	Pass

A.4 Power Spectral Density

Note ¹: Test plots please refer to the document “Annex No.: BL-SZ2591189-604 Data Part 3.pdf”.

Test Data

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Verdict
11a	CH36	3.80	11.00	Pass
11a	CH44	4.06	11.00	Pass
11a	CH48	4.42	11.00	Pass
11n(HT20)	CH36	3.48	11.00	Pass
11n(HT20)	CH44	3.69	11.00	Pass
11n(HT20)	CH48	3.99	11.00	Pass
11n(HT40)	CH38	0.18	11.00	Pass
11n(HT40)	CH46	0.40	11.00	Pass
11ac(VHT20)	CH36	3.41	11.00	Pass
11ac(VHT20)	CH44	3.62	11.00	Pass
11ac(VHT20)	CH48	3.85	11.00	Pass
11ac(VHT40)	CH38	0.18	11.00	Pass
11ac(VHT40)	CH46	0.47	11.00	Pass
11ax(HE20)(SU)	CH36	2.92	11.00	Pass
11ax(HE20)(SU)	CH44	2.87	11.00	Pass
11ax(HE20)(SU)	CH48	3.50	11.00	Pass
11ax(HE40)(SU)	CH38	-0.18	11.00	Pass
11ax(HE40)(SU)	CH46	0.23	11.00	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	IC Limit (dBm/MHz)	Verdict
11a	CH52	4.87	11.00	11.00	Pass
11a	CH60	4.70	11.00	11.00	Pass
11a	CH64	4.48	11.00	11.00	Pass
11n(HT20)	CH52	4.47	11.00	11.00	Pass
11n(HT20)	CH60	4.32	11.00	11.00	Pass
11n(HT20)	CH64	4.39	11.00	11.00	Pass
11n(HT40)	CH54	1.17	11.00	11.00	Pass
11n(HT40)	CH62	1.08	11.00	11.00	Pass
11ac(VHT20)	CH52	4.36	11.00	11.00	Pass
11ac(VHT20)	CH60	4.19	11.00	11.00	Pass
11ac(VHT20)	CH64	4.19	11.00	11.00	Pass
11ac(VHT40)	CH54	0.91	11.00	11.00	Pass
11ac(VHT40)	CH62	1.10	11.00	11.00	Pass
11ax(HE20)(SU)	CH52	4.04	11.00	11.00	Pass
11ax(HE20)(SU)	CH60	4.01	11.00	11.00	Pass
11ax(HE20)(SU)	CH64	3.85	11.00	11.00	Pass
11ax(HE40)(SU)	CH54	0.76	11.00	11.00	Pass
11ax(HE40)(SU)	CH62	0.98	11.00	11.00	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	IC Limit (dBm/MHz)	Verdict
11a	CH100	2.67	11.00	11.00	Pass
11a	CH116	2.79	11.00	11.00	Pass
11a	CH140	0.64	11.00	11.00	Pass
11n(HT20)	CH100	2.05	11.00	11.00	Pass
11n(HT20)	CH116	2.53	11.00	11.00	Pass
11n(HT20)	CH140	0.36	11.00	11.00	Pass
11n(HT40)	CH102	-1.36	11.00	11.00	Pass
11n(HT40)	CH118	-0.98	11.00	11.00	Pass
11n(HT40)	CH134	-2.65	11.00	11.00	Pass
11ac(VHT20)	CH100	2.08	11.00	11.00	Pass
11ac(VHT20)	CH116	2.36	11.00	11.00	Pass
11ac(VHT20)	CH140	0.28	11.00	11.00	Pass
11ac(VHT40)	CH102	-1.52	11.00	11.00	Pass
11ac(VHT40)	CH118	-0.96	11.00	11.00	Pass
11ac(VHT40)	CH134	-2.86	11.00	11.00	Pass
11ax(HE20)(SU)	CH100	1.60	11.00	11.00	Pass
11ax(HE20)(SU)	CH116	2.05	11.00	11.00	Pass
11ax(HE20)(SU)	CH140	0.03	11.00	11.00	Pass
11ax(HE40)(SU)	CH102	-1.71	11.00	11.00	Pass
11ax(HE40)(SU)	CH118	-1.13	11.00	11.00	Pass
11ax(HE40)(SU)	CH134	-3.15	11.00	11.00	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	PSD (dBm/500kHz)	FCC Limit (dBm/500kHz)	IC Limit (dBm/500kHz)	Verdict
11a	CH149	-0.49	30.00	30.00	Pass
11a	CH157	-1.04	30.00	30.00	Pass
11a	CH165	-1.65	30.00	30.00	Pass
11n(HT20)	CH149	-0.94	30.00	30.00	Pass
11n(HT20)	CH157	-1.34	30.00	30.00	Pass
11n(HT20)	CH165	-1.87	30.00	30.00	Pass
11n(HT40)	CH151	-4.30	30.00	30.00	Pass
11n(HT40)	CH159	-4.78	30.00	30.00	Pass
11ac(VHT20)	CH149	-0.84	30.00	30.00	Pass
11ac(VHT20)	CH157	-1.41	30.00	30.00	Pass
11ac(VHT20)	CH165	-1.98	30.00	30.00	Pass
11ac(VHT40)	CH151	-4.48	30.00	30.00	Pass
11ac(VHT40)	CH159	-5.05	30.00	30.00	Pass
11ax(HE20)(SU)	CH149	-1.34	30.00	30.00	Pass
11ax(HE20)(SU)	CH157	-1.69	30.00	30.00	Pass
11ax(HE20)(SU)	CH165	-2.18	30.00	30.00	Pass
11ax(HE40)(SU)	CH151	-4.57	30.00	30.00	Pass
11ax(HE40)(SU)	CH159	-5.19	30.00	30.00	Pass

E.I.R.P

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	E.I.R.P PSD (dBm/MHz)	E.I.R.P Limit (dBm/MHz)	Verdict
11a	CH36	5.82	10.00	Pass
11a	CH44	6.08	10.00	Pass
11a	CH48	6.44	10.00	Pass
11n(HT20)	CH36	5.50	10.00	Pass
11n(HT20)	CH44	5.71	10.00	Pass
11n(HT20)	CH48	6.01	10.00	Pass
11n(HT40)	CH38	2.20	10.00	Pass
11n(HT40)	CH46	2.42	10.00	Pass
11ac(VHT20)	CH36	5.43	10.00	Pass
11ac(VHT20)	CH44	5.64	10.00	Pass
11ac(VHT20)	CH48	5.87	10.00	Pass
11ac(VHT40)	CH38	2.20	10.00	Pass
11ac(VHT40)	CH46	2.49	10.00	Pass
11ax(HE20)(SU)	CH36	4.94	10.00	Pass
11ax(HE20)(SU)	CH44	4.89	10.00	Pass
11ax(HE20)(SU)	CH48	5.52	10.00	Pass
11ax(HE40)(SU)	CH38	1.84	10.00	Pass
11ax(HE40)(SU)	CH46	2.25	10.00	Pass

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	E.I.R.P PSD (dBm/MHz)	Verdict
11a	CH52	7.19	Pass
11a	CH60	7.02	Pass
11a	CH64	6.80	Pass
11n(HT20)	CH52	6.79	Pass
11n(HT20)	CH60	6.64	Pass
11n(HT20)	CH64	6.71	Pass
11n(HT40)	CH54	3.49	Pass
11n(HT40)	CH62	3.40	Pass
11ac(VHT20)	CH52	6.68	Pass
11ac(VHT20)	CH60	6.51	Pass
11ac(VHT20)	CH64	6.51	Pass
11ac(VHT40)	CH54	3.23	Pass
11ac(VHT40)	CH62	3.42	Pass
11ax(HE20)(SU)	CH52	6.36	Pass
11ax(HE20)(SU)	CH60	6.33	Pass
11ax(HE20)(SU)	CH64	6.17	Pass
11ax(HE40)(SU)	CH54	3.08	Pass
11ax(HE40)(SU)	CH62	3.30	Pass

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	E.I.R.P PSD (dBm/MHz)	Verdict
11a	CH100	4.73	Pass
11a	CH116	4.85	Pass
11a	CH140	2.70	Pass
11n(HT20)	CH100	4.11	Pass
11n(HT20)	CH116	4.59	Pass
11n(HT20)	CH140	2.42	Pass
11n(HT40)	CH102	0.70	Pass
11n(HT40)	CH118	1.08	Pass
11n(HT40)	CH134	-0.59	Pass
11ac(VHT20)	CH100	4.14	Pass
11ac(VHT20)	CH116	4.42	Pass
11ac(VHT20)	CH140	2.34	Pass
11ac(VHT40)	CH102	0.54	Pass
11ac(VHT40)	CH118	1.10	Pass
11ac(VHT40)	CH134	-0.80	Pass
11ax(HE20)(SU)	CH100	3.66	Pass
11ax(HE20)(SU)	CH116	4.11	Pass
11ax(HE20)(SU)	CH140	2.09	Pass
11ax(HE40)(SU)	CH102	0.35	Pass
11ax(HE40)(SU)	CH118	0.93	Pass
11ax(HE40)(SU)	CH134	-1.09	Pass

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	E.I.R.P PSD (dBm/500kHz)	Verdict
11a	CH149	1.70	Pass
11a	CH157	1.15	Pass
11a	CH165	0.54	Pass
11n(HT20)	CH149	1.25	Pass
11n(HT20)	CH157	0.85	Pass
11n(HT20)	CH165	0.32	Pass
11n(HT40)	CH151	-2.11	Pass
11n(HT40)	CH159	-2.59	Pass
11ac(VHT20)	CH149	1.35	Pass
11ac(VHT20)	CH157	0.78	Pass
11ac(VHT20)	CH165	0.21	Pass
11ac(VHT40)	CH151	-2.29	Pass
11ac(VHT40)	CH159	-2.86	Pass
11ax(HE20)(SU)	CH149	0.85	Pass
11ax(HE20)(SU)	CH157	0.50	Pass
11ax(HE20)(SU)	CH165	0.01	Pass
11ax(HE40)(SU)	CH151	-2.38	Pass
11ax(HE40)(SU)	CH159	-3.00	Pass

A.5 Conducted Emissions

Note¹: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

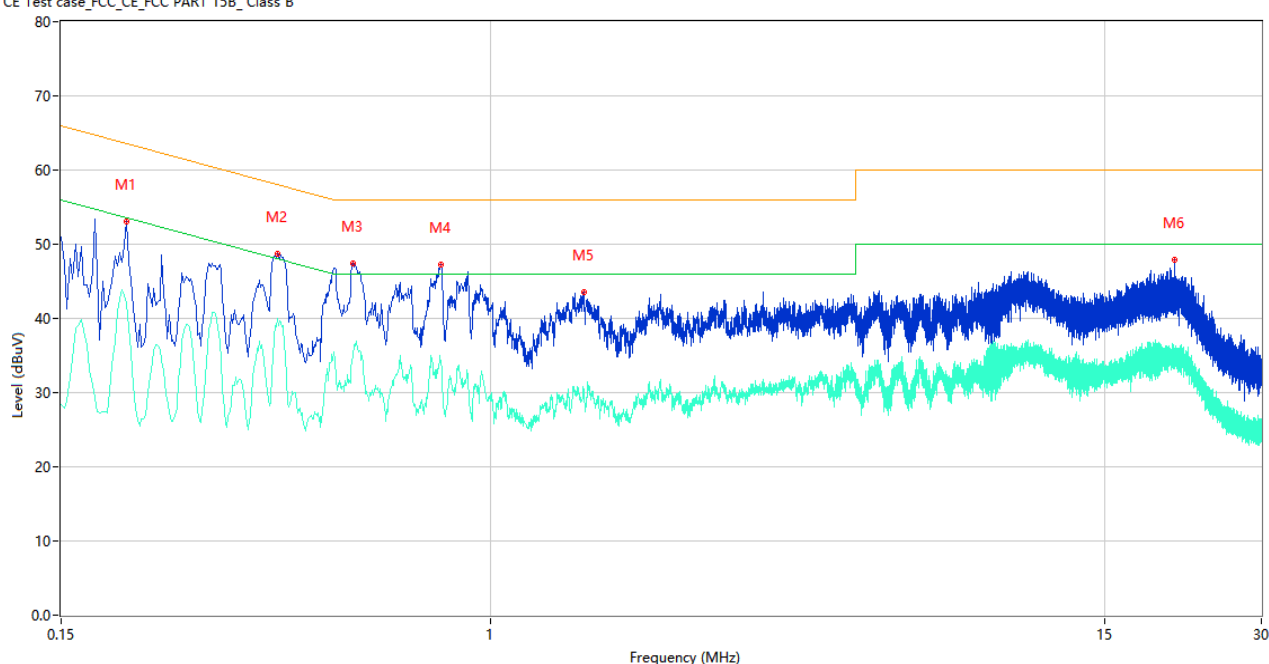
Note²: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration (120 VAC, 60 Hz) shown here.

Note³: Results (dBuV) = Original reading level of Spectrum Analyzer (dBuV) + Factor (dB)

Test Data and Plots

PHASE L

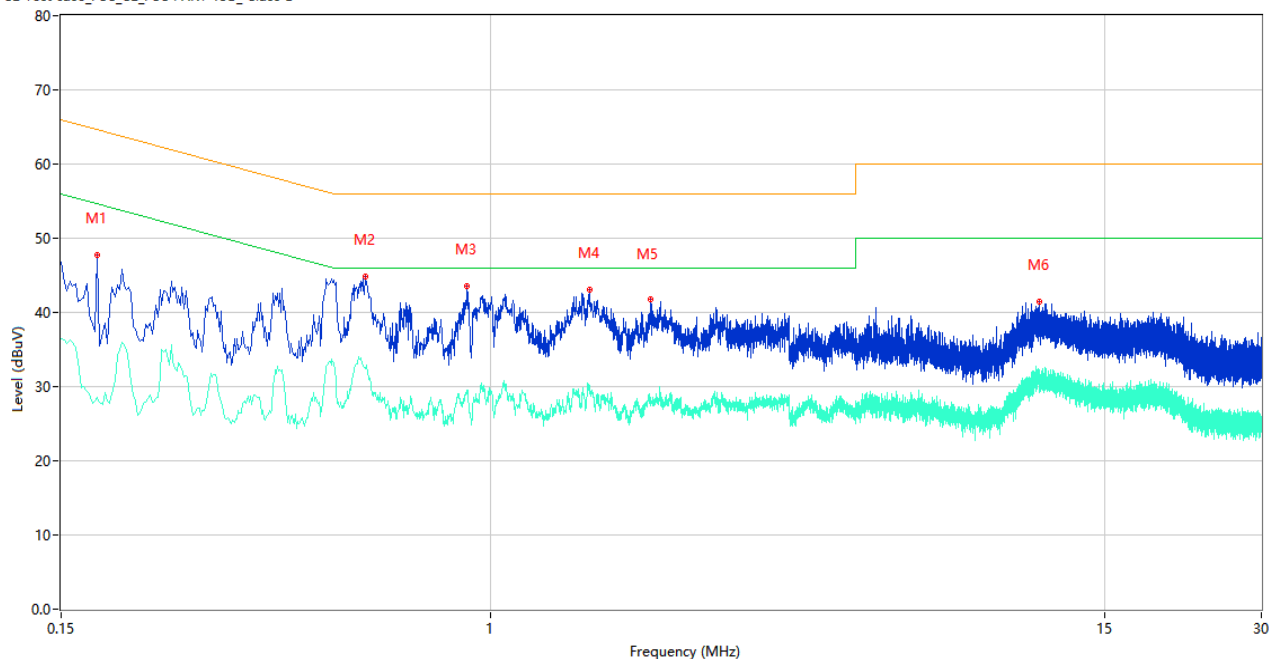
CE Test case_FCC_CE_FCC PART 15B_Class B



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.200	53.08	9.84	63.61	10.53	Peak	L	Pass
1**	0.200	42.08	9.84	53.61	11.53	AV	L	Pass
2	0.390	48.74	10.65	58.06	9.32	Peak	L	Pass
2**	0.390	39.95	10.65	48.06	8.11	AV	L	Pass
3	0.544	47.41	10.08	56.00	8.59	Peak	L	Pass
3**	0.544	34.88	10.08	46.00	11.12	AV	L	Pass
4	0.804	47.21	10.59	56.00	8.79	Peak	L	Pass
4**	0.804	34.32	10.59	46.00	11.68	AV	L	Pass
5	1.506	43.55	10.31	56.00	12.45	Peak	L	Pass
5**	1.506	30.47	10.31	46.00	15.53	AV	L	Pass
6	20.490	47.83	11.13	60.00	12.17	Peak	L	Pass
6**	20.490	34.02	11.13	50.00	15.98	AV	L	Pass

PHASE N

CE Test case_FCC_CE_FCC PART 15B_Class B



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.176	47.69	9.85	64.67	16.98	Peak	N	Pass
1**	0.176	28.58	9.85	54.67	26.09	AV	N	Pass
2	0.574	44.83	10.15	56.00	11.17	Peak	N	Pass
2**	0.574	32.49	10.15	46.00	13.51	AV	N	Pass
3	0.900	43.62	10.25	56.00	12.38	Peak	N	Pass
3**	0.900	29.48	10.25	46.00	16.52	AV	N	Pass
4	1.544	43.14	10.22	56.00	12.86	Peak	N	Pass
4**	1.544	30.10	10.22	46.00	15.90	AV	N	Pass
5	2.020	41.80	10.39	56.00	14.20	Peak	N	Pass
5**	2.020	27.90	10.39	46.00	18.10	AV	N	Pass
6	11.270	41.51	10.59	60.00	18.49	Peak	N	Pass
6**	11.270	31.70	10.59	50.00	18.30	AV	N	Pass

A.6 Radiated Spurious Emissions and Band Edge (Restricted-band)

Note ¹: The symbol of "--" in the table which means not application.

Note ²: For the test data above 1 GHz, According the ANSI C63.10, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

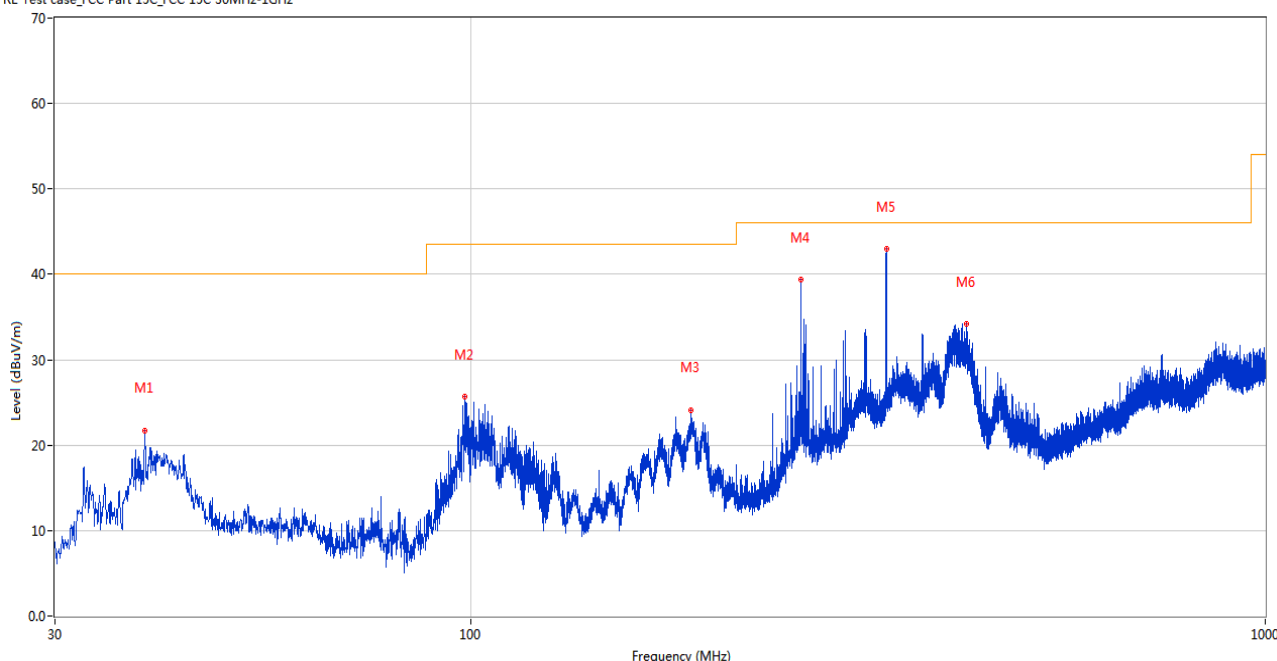
Note ³: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

Note ⁴: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and normal link mode is worst.

Test Data and Plots

30 MHz to 1 GHz, ANT H

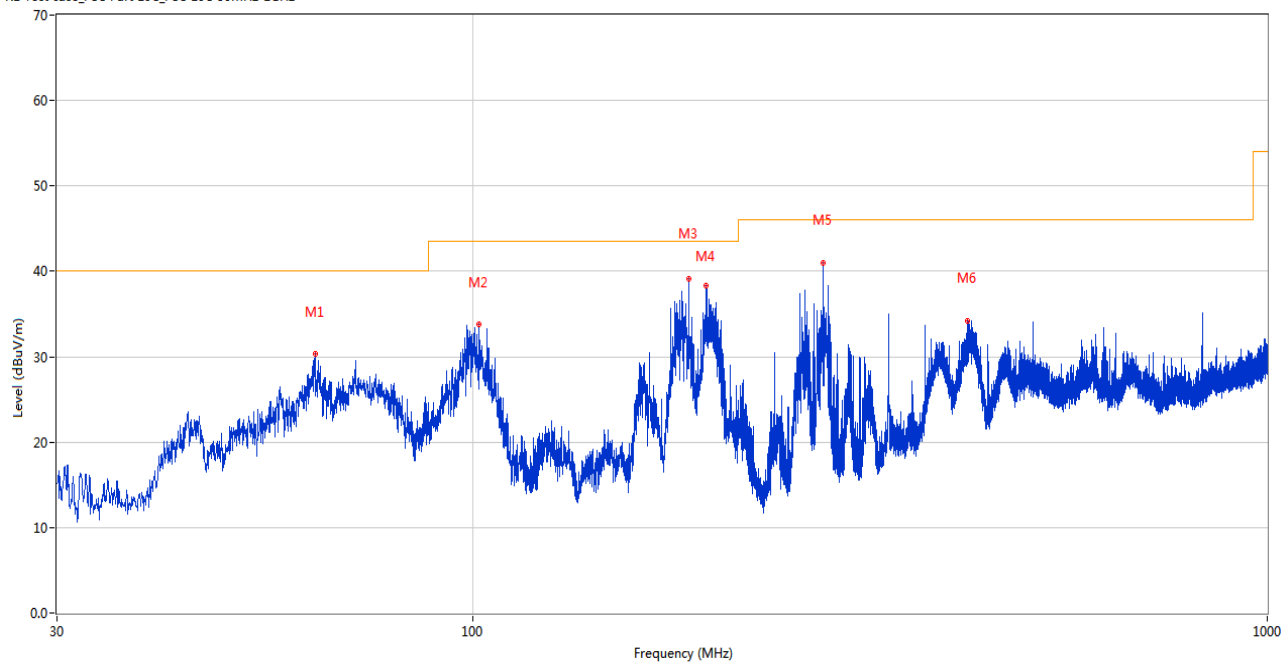
RE Test case_FCC Part 15C_FCC 15C 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	38.924	21.70	-26.11	40.0	18.30	Peak	68.50	100	Horizontal	Pass
2	98.482	25.64	-26.83	43.5	17.86	Peak	159.90	100	Horizontal	Pass
3	189.225	24.09	-26.62	43.5	19.41	Peak	84.90	100	Horizontal	Pass
4	260.472	39.34	-23.89	46.0	6.66	Peak	173.50	100	Horizontal	Pass
5	333.513	42.96	-21.98	46.0	3.04	Peak	135.80	100	Horizontal	Pass
6	420.619	34.16	-20.02	46.0	11.84	Peak	105.10	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V

RE Test case_FCC Part 15C_FCC 15C 30MHz-1GHz

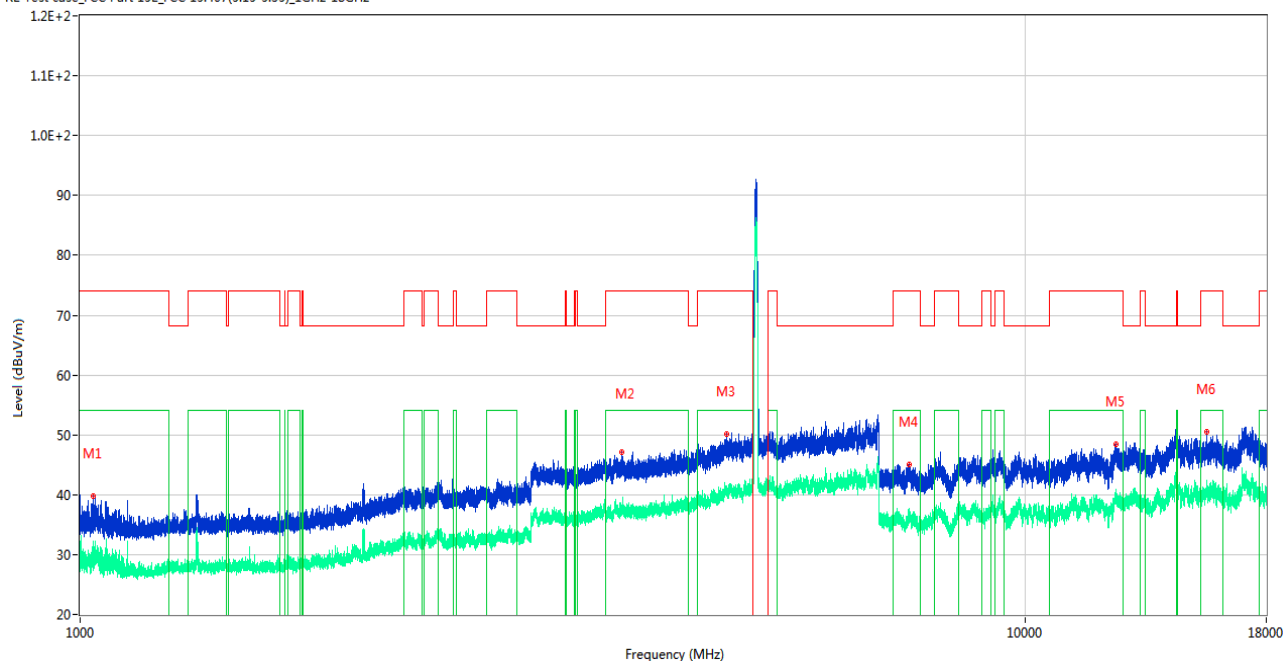


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	63.416	30.29	-26.93	40.0	9.71	Peak	44.50	100	Vertical	Pass
2	101.925	33.75	-26.75	43.5	9.75	Peak	25.40	100	Vertical	Pass
3	187.189	39.06	-27.06	43.5	4.44	Peak	0.00	100	Vertical	Pass
4	196.694	38.27	-25.59	43.5	5.23	Peak	49.50	100	Vertical	Pass
5	276.283	41.03	-23.77	46.0	4.97	Peak	60.00	100	Vertical	Pass
6	419.406	34.22	-20.03	46.0	11.78	Peak	169.20	100	Vertical	Pass

Note 1: The spurious above 18G is noise only, do not show on the report.

11a, U-NII-1, 1 GHz to 18 GHz, Low Channel, ANT H

RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1031.200	39.82	74.0	34.18	Peak	85.00	150	Horizontal	Pass
1**	1031.200	31.27	54.0	22.73	AV	85.00	150	Horizontal	Pass
2	3741.200	47.19	74.0	26.81	Peak	204.00	150	Horizontal	Pass
2**	3741.200	37.47	54.0	16.53	AV	204.00	150	Horizontal	Pass
3	4831.400	50.20	74.0	23.80	Peak	238.00	150	Horizontal	Pass
3**	4831.400	40.62	54.0	13.38	AV	238.00	150	Horizontal	Pass
4	7532.163	45.10	74.0	28.90	Peak	184.00	150	Horizontal	Pass
4**	7532.163	36.35	54.0	17.65	AV	184.00	150	Horizontal	Pass
5	12478.888	48.36	74.0	25.64	Peak	360.00	150	Horizontal	Pass
5**	12478.888	39.47	54.0	14.53	AV	360.00	150	Horizontal	Pass
6	15559.537	50.45	74.0	23.55	Peak	126.00	100	Horizontal	Pass
6**	15559.537	40.70	54.0	13.30	AV	126.00	100	Horizontal	Pass

11a, U-NII-1, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1491.414	38.64	74.0	35.36	Peak	32.00	100	Vertical	Pass
1**	1491.414	30.12	54.0	23.88	AV	32.00	100	Vertical	Pass
2	2990.960	43.14	74.0	30.86	Peak	320.00	200	Vertical	Pass
2**	2990.960	35.07	54.0	18.93	AV	320.00	200	Vertical	Pass
3	4197.076	48.66	74.0	25.34	Peak	239.00	200	Vertical	Pass
3**	4197.076	39.43	54.0	14.57	AV	239.00	200	Vertical	Pass
4	7381.297	45.58	74.0	28.42	Peak	178.00	200	Vertical	Pass
4**	7381.297	35.83	54.0	18.17	AV	178.00	200	Vertical	Pass
5	12600.500	49.34	74.0	24.66	Peak	71.00	300	Vertical	Pass
5**	12600.500	39.59	54.0	14.41	AV	71.00	300	Vertical	Pass
6	15813.115	50.66	74.0	23.34	Peak	206.00	300	Vertical	Pass
6**	15813.115	39.78	54.0	14.22	AV	206.00	300	Vertical	Pass

11a, U-NII-1, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1511.699	37.62	74.0	36.38	Peak	97.00	100	Horizontal	Pass
1**	1511.699	30.91	54.0	23.10	AV	97.00	100	Horizontal	Pass
2	2971.696	42.92	74.0	31.08	Peak	191.00	100	Horizontal	Pass
2**	2971.696	35.18	54.0	18.82	AV	191.00	100	Horizontal	Pass
3	4197.524	48.33	74.0	25.67	Peak	256.00	200	Horizontal	Pass
3**	4197.524	39.67	54.0	14.34	AV	256.00	200	Horizontal	Pass
4	7318.108	45.84	74.0	28.16	Peak	284.00	300	Horizontal	Pass
4**	7318.108	37.44	54.0	16.56	AV	284.00	300	Horizontal	Pass
5	12450.180	49.16	74.0	24.84	Peak	2.00	100	Horizontal	Pass
5**	12450.180	39.69	54.0	14.31	AV	2.00	100	Horizontal	Pass
6	15788.869	51.21	74.0	22.79	Peak	253.00	300	Horizontal	Pass
6**	15788.869	39.62	54.0	14.38	AV	253.00	300	Horizontal	Pass

11a, U-NII-1, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1490.994	38.50	74.0	35.51	Peak	40.00	200	Vertical	Pass
1**	1490.994	30.08	54.0	23.92	AV	40.00	200	Vertical	Pass
2	2992.243	42.97	74.0	31.03	Peak	195.00	400	Vertical	Pass
2**	2992.243	34.82	54.0	19.18	AV	195.00	400	Vertical	Pass
3	4202.759	48.58	74.0	25.43	Peak	32.00	200	Vertical	Pass
3**	4202.759	39.18	54.0	14.83	AV	32.00	200	Vertical	Pass
4	7377.952	45.36	74.0	28.64	Peak	22.00	400	Vertical	Pass
4**	7377.952	35.59	54.0	18.41	AV	22.00	400	Vertical	Pass
5	12597.621	49.23	74.0	24.77	Peak	26.00	100	Vertical	Pass
5**	12597.621	39.49	54.0	14.51	AV	26.00	100	Vertical	Pass
6	15815.570	50.55	74.0	23.45	Peak	238.00	300	Vertical	Pass
6**	15815.570	39.78	54.0	14.22	AV	238.00	300	Vertical	Pass

11a, U-NII-1, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1513.728	37.39	74.0	36.61	Peak	252.00	300	Horizontal	Pass
1**	1513.728	30.90	54.0	23.10	AV	252.00	300	Horizontal	Pass
2	2975.020	42.70	74.0	31.30	Peak	130.00	100	Horizontal	Pass
2**	2975.020	35.15	54.0	18.85	AV	130.00	100	Horizontal	Pass
3	4197.166	48.12	74.0	25.88	Peak	25.00	200	Horizontal	Pass
3**	4197.166	39.60	54.0	14.41	AV	25.00	200	Horizontal	Pass
4	7318.235	45.66	74.0	28.34	Peak	322.00	400	Horizontal	Pass
4**	7318.235	37.30	54.0	16.70	AV	322.00	400	Horizontal	Pass
5	12448.974	48.90	74.0	25.10	Peak	116.00	400	Horizontal	Pass
5**	12448.974	39.59	54.0	14.41	AV	116.00	400	Horizontal	Pass
6	15793.343	51.13	74.0	22.87	Peak	316.00	400	Horizontal	Pass
6**	15793.343	39.38	54.0	14.62	AV	316.00	400	Horizontal	Pass

11a, U-NII-1, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1493.005	38.21	74.0	35.79	Peak	154.00	400	Vertical	Pass
1**	1493.005	29.99	54.0	24.02	AV	154.00	400	Vertical	Pass
2	2990.285	42.69	74.0	31.31	Peak	210.00	400	Vertical	Pass
2**	2990.285	34.73	54.0	19.27	AV	210.00	400	Vertical	Pass
3	4198.898	48.34	74.0	25.66	Peak	165.00	200	Vertical	Pass
3**	4198.898	38.97	54.0	15.03	AV	165.00	200	Vertical	Pass
4	7375.911	45.09	74.0	28.91	Peak	229.00	400	Vertical	Pass
4**	7375.911	35.32	54.0	18.68	AV	229.00	400	Vertical	Pass
5	12598.050	49.15	74.0	24.85	Peak	67.00	100	Vertical	Pass
5**	12598.050	39.44	54.0	14.56	AV	67.00	100	Vertical	Pass
6	15815.351	50.42	74.0	23.58	Peak	183.00	300	Vertical	Pass
6**	15815.351	39.67	54.0	14.33	AV	183.00	300	Vertical	Pass

11n20, U-NII-1, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1508.318	37.64	74.0	36.36	Peak	181.00	100	Horizontal	Pass
1**	1508.318	31.05	54.0	22.95	AV	181.00	100	Horizontal	Pass
2	2976.474	43.09	74.0	30.91	Peak	222.00	400	Horizontal	Pass
2**	2976.474	34.91	54.0	19.09	AV	222.00	400	Horizontal	Pass
3	4201.095	48.33	74.0	25.68	Peak	275.00	200	Horizontal	Pass
3**	4201.095	39.85	54.0	14.16	AV	275.00	200	Horizontal	Pass
4	7322.160	45.82	74.0	28.18	Peak	33.00	300	Horizontal	Pass
4**	7322.160	37.51	54.0	16.49	AV	33.00	300	Horizontal	Pass
5	12450.667	48.89	74.0	25.11	Peak	70.00	300	Horizontal	Pass
5**	12450.667	39.71	54.0	14.29	AV	70.00	300	Horizontal	Pass
6	15789.028	51.43	74.0	22.57	Peak	171.00	400	Horizontal	Pass
6**	15789.028	39.60	54.0	14.41	AV	171.00	400	Horizontal	Pass

11n20, U-NII-1, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1491.739	38.01	74.0	36.00	Peak	108.00	400	Vertical	Pass
1**	1491.739	29.88	54.0	24.12	AV	108.00	400	Vertical	Pass
2	2987.681	42.48	74.0	31.52	Peak	140.00	200	Vertical	Pass
2**	2987.681	34.62	54.0	19.38	AV	140.00	200	Vertical	Pass
3	4198.142	48.22	74.0	25.78	Peak	72.00	200	Vertical	Pass
3**	4198.142	38.83	54.0	15.17	AV	72.00	200	Vertical	Pass
4	7375.201	45.02	74.0	28.98	Peak	94.00	300	Vertical	Pass
4**	7375.201	35.10	54.0	18.90	AV	94.00	300	Vertical	Pass
5	12597.449	49.14	74.0	24.86	Peak	76.00	400	Vertical	Pass
5**	12597.449	39.29	54.0	14.72	AV	76.00	400	Vertical	Pass
6	15819.319	50.33	74.0	23.67	Peak	195.00	400	Vertical	Pass
6**	15819.319	39.56	54.0	14.44	AV	195.00	400	Vertical	Pass

11n20, U-NII-1, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1509.607	37.44	74.0	36.56	Peak	126.00	100	Horizontal	Pass
1**	1509.607	30.75	54.0	23.26	AV	126.00	100	Horizontal	Pass
2	2976.100	42.92	74.0	31.08	Peak	209.00	200	Horizontal	Pass
2**	2976.100	34.94	54.0	19.06	AV	209.00	200	Horizontal	Pass
3	4201.779	48.06	74.0	25.94	Peak	209.00	200	Horizontal	Pass
3**	4201.779	39.37	54.0	14.63	AV	209.00	200	Horizontal	Pass
4	7319.373	45.78	74.0	28.22	Peak	195.00	300	Horizontal	Pass
4**	7319.373	37.24	54.0	16.76	AV	195.00	300	Horizontal	Pass
5	12453.481	49.13	74.0	24.87	Peak	191.00	300	Horizontal	Pass
5**	12453.481	39.39	54.0	14.61	AV	191.00	300	Horizontal	Pass
6	15792.385	51.09	74.0	22.91	Peak	22.00	400	Horizontal	Pass
6**	15792.385	39.49	54.0	14.51	AV	22.00	400	Horizontal	Pass

11n20, U-NII-1, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1494.534	37.76	74.0	36.24	Peak	152.00	100	Vertical	Pass
1**	1494.534	29.59	54.0	24.41	AV	152.00	100	Vertical	Pass
2	2987.993	42.24	74.0	31.76	Peak	245.00	200	Vertical	Pass
2**	2987.993	34.43	54.0	19.57	AV	245.00	200	Vertical	Pass
3	4197.735	47.99	74.0	26.01	Peak	102.00	200	Vertical	Pass
3**	4197.735	38.74	54.0	15.26	AV	102.00	200	Vertical	Pass
4	7381.442	44.79	74.0	29.21	Peak	320.00	100	Vertical	Pass
4**	7381.442	35.03	54.0	18.97	AV	320.00	100	Vertical	Pass
5	12595.724	48.97	74.0	25.03	Peak	166.00	100	Vertical	Pass
5**	12595.724	39.09	54.0	14.91	AV	166.00	100	Vertical	Pass
6	15813.721	50.32	74.0	23.68	Peak	270.00	200	Vertical	Pass
6**	15813.721	39.53	54.0	14.47	AV	270.00	200	Vertical	Pass

11n20, U-NII-1, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1514.227	37.23	74.0	36.77	Peak	327.00	400	Horizontal	Pass
1**	1514.227	30.72	54.0	23.28	AV	327.00	400	Horizontal	Pass
2	2974.089	42.54	74.0	31.46	Peak	91.00	200	Horizontal	Pass
2**	2974.089	35.03	54.0	18.97	AV	91.00	200	Horizontal	Pass
3	4203.134	47.89	74.0	26.11	Peak	146.00	200	Horizontal	Pass
3**	4203.134	39.50	54.0	14.50	AV	146.00	200	Horizontal	Pass
4	7322.469	45.42	74.0	28.58	Peak	235.00	400	Horizontal	Pass
4**	7322.469	37.19	54.0	16.81	AV	235.00	400	Horizontal	Pass
5	12447.659	48.75	74.0	25.25	Peak	230.00	200	Horizontal	Pass
5**	12447.659	39.32	54.0	14.69	AV	230.00	200	Horizontal	Pass
6	15788.244	50.97	74.0	23.03	Peak	119.00	300	Horizontal	Pass
6**	15788.244	39.27	54.0	14.74	AV	119.00	300	Horizontal	Pass

11n20, U-NII-1, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1496.272	37.63	74.0	36.37	Peak	71.00	400	Vertical	Pass
1**	1496.272	29.32	54.0	24.68	AV	71.00	400	Vertical	Pass
2	2992.438	42.02	74.0	31.98	Peak	270.00	100	Vertical	Pass
2**	2992.438	34.39	54.0	19.61	AV	270.00	100	Vertical	Pass
3	4203.360	47.77	74.0	26.23	Peak	320.00	200	Vertical	Pass
3**	4203.360	38.59	54.0	15.41	AV	320.00	200	Vertical	Pass
4	7377.326	44.51	74.0	29.49	Peak	94.00	200	Vertical	Pass
4**	7377.326	34.96	54.0	19.04	AV	94.00	200	Vertical	Pass
5	12598.164	48.91	74.0	25.09	Peak	253.00	300	Vertical	Pass
5**	12598.164	38.98	54.0	15.03	AV	253.00	300	Vertical	Pass
6	15817.522	50.05	74.0	23.95	Peak	11.00	300	Vertical	Pass
6**	15817.522	39.43	54.0	14.57	AV	11.00	300	Vertical	Pass

11n40, U-NII-1, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1508.381	37.66	74.0	36.34	Peak	275.00	200	Horizontal	Pass
1**	1508.381	30.77	54.0	23.23	AV	275.00	200	Horizontal	Pass
2	2974.195	42.97	74.0	31.03	Peak	112.00	400	Horizontal	Pass
2**	2974.195	35.05	54.0	18.95	AV	112.00	400	Horizontal	Pass
3	4204.471	48.33	74.0	25.67	Peak	48.00	200	Horizontal	Pass
3**	4204.471	39.67	54.0	14.33	AV	48.00	200	Horizontal	Pass
4	7323.838	45.59	74.0	28.41	Peak	271.00	300	Horizontal	Pass
4**	7323.838	37.47	54.0	16.53	AV	271.00	300	Horizontal	Pass
5	12452.440	49.01	74.0	24.99	Peak	351.00	100	Horizontal	Pass
5**	12452.440	39.86	54.0	14.14	AV	351.00	100	Horizontal	Pass
6	15793.122	51.36	74.0	22.64	Peak	126.00	100	Horizontal	Pass
6**	15793.122	39.86	54.0	14.14	AV	126.00	100	Horizontal	Pass

11n40, U-NII-1, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1492.573	37.43	74.0	36.57	Peak	19.00	100	Vertical	Pass
1**	1492.573	29.11	54.0	24.89	AV	19.00	100	Vertical	Pass
2	2989.625	41.93	74.0	32.07	Peak	142.00	400	Vertical	Pass
2**	2989.625	34.37	54.0	19.63	AV	142.00	400	Vertical	Pass
3	4203.752	47.70	74.0	26.30	Peak	346.00	200	Vertical	Pass
3**	4203.752	38.36	54.0	15.64	AV	346.00	200	Vertical	Pass
4	7377.151	44.25	74.0	29.75	Peak	153.00	300	Vertical	Pass
4**	7377.151	34.81	54.0	19.19	AV	153.00	300	Vertical	Pass
5	12599.204	48.79	74.0	25.22	Peak	22.00	300	Vertical	Pass
5**	12599.204	38.85	54.0	15.16	AV	22.00	300	Vertical	Pass
6	15819.812	49.88	74.0	24.12	Peak	39.00	400	Vertical	Pass
6**	15819.812	39.33	54.0	14.67	AV	39.00	400	Vertical	Pass

11n40, U-NII-1, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1514.979	37.60	74.0	36.41	Peak	357.00	400	Horizontal	Pass
1**	1514.979	30.88	54.0	23.12	AV	357.00	400	Horizontal	Pass
2	2969.781	42.72	74.0	31.28	Peak	292.00	400	Horizontal	Pass
2**	2969.781	35.12	54.0	18.89	AV	292.00	400	Horizontal	Pass
3	4200.213	48.21	74.0	25.79	Peak	359.00	200	Horizontal	Pass
3**	4200.213	39.62	54.0	14.38	AV	359.00	200	Horizontal	Pass
4	7319.301	45.58	74.0	28.42	Peak	293.00	200	Horizontal	Pass
4**	7319.301	37.38	54.0	16.62	AV	293.00	200	Horizontal	Pass
5	12451.775	48.91	74.0	25.09	Peak	80.00	100	Horizontal	Pass
5**	12451.775	39.47	54.0	14.53	AV	80.00	100	Horizontal	Pass
6	15793.382	51.21	74.0	22.79	Peak	97.00	200	Horizontal	Pass
6**	15793.382	39.53	54.0	14.47	AV	97.00	200	Horizontal	Pass

11n40, U-NII-1, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1491.471	37.40	74.0	36.61	Peak	224.00	200	Vertical	Pass
1**	1491.471	29.08	54.0	24.93	AV	224.00	200	Vertical	Pass
2	2992.433	41.69	74.0	32.31	Peak	149.00	100	Vertical	Pass
2**	2992.433	34.13	54.0	19.88	AV	149.00	100	Vertical	Pass
3	4198.250	47.53	74.0	26.47	Peak	169.00	200	Vertical	Pass
3**	4198.250	38.29	54.0	15.72	AV	169.00	200	Vertical	Pass
4	7375.684	44.19	74.0	29.81	Peak	281.00	100	Vertical	Pass
4**	7375.684	34.57	54.0	19.43	AV	281.00	100	Vertical	Pass
5	12597.370	48.56	74.0	25.44	Peak	41.00	400	Vertical	Pass
5**	12597.370	38.68	54.0	15.32	AV	41.00	400	Vertical	Pass
6	15817.295	49.87	74.0	24.13	Peak	107.00	100	Vertical	Pass
6**	15817.295	39.27	54.0	14.73	AV	107.00	100	Vertical	Pass

11ac20, U-NII-1, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1511.022	37.45	74.0	36.55	Peak	101.00	200	Horizontal	Pass
1**	1511.022	30.98	54.0	23.02	AV	101.00	200	Horizontal	Pass
2	2972.617	42.84	74.0	31.16	Peak	352.00	400	Horizontal	Pass
2**	2972.617	35.07	54.0	18.93	AV	352.00	400	Horizontal	Pass
3	4199.841	48.29	74.0	25.71	Peak	212.00	200	Horizontal	Pass
3**	4199.841	39.69	54.0	14.32	AV	212.00	200	Horizontal	Pass
4	7319.579	45.73	74.0	28.27	Peak	29.00	100	Horizontal	Pass
4**	7319.579	37.55	54.0	16.45	AV	29.00	100	Horizontal	Pass
5	12450.598	49.06	74.0	24.94	Peak	3.00	300	Horizontal	Pass
5**	12450.598	39.83	54.0	14.17	AV	3.00	300	Horizontal	Pass
6	15790.804	51.44	74.0	22.56	Peak	155.00	100	Horizontal	Pass
6**	15790.804	39.76	54.0	14.24	AV	155.00	100	Horizontal	Pass

11ac20, U-NII-1, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1494.090	37.36	74.0	36.64	Peak	301.00	100	Vertical	Pass
1**	1494.090	29.01	54.0	24.99	AV	301.00	100	Vertical	Pass
2	2988.384	41.45	74.0	32.55	Peak	153.00	100	Vertical	Pass
2**	2988.384	33.89	54.0	20.12	AV	153.00	100	Vertical	Pass
3	4196.257	47.31	74.0	26.69	Peak	214.00	200	Vertical	Pass
3**	4196.257	38.15	54.0	15.85	AV	214.00	200	Vertical	Pass
4	7376.988	43.97	74.0	30.03	Peak	25.00	300	Vertical	Pass
4**	7376.988	34.55	54.0	19.45	AV	25.00	300	Vertical	Pass
5	12600.306	48.28	74.0	25.72	Peak	321.00	300	Vertical	Pass
5**	12600.306	38.40	54.0	15.60	AV	321.00	300	Vertical	Pass
6	15816.819	49.86	74.0	24.15	Peak	336.00	300	Vertical	Pass
6**	15816.819	39.26	54.0	14.74	AV	336.00	300	Vertical	Pass

11ac20, U-NII-1, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1511.863	37.62	74.0	36.38	Peak	125.00	300	Horizontal	Pass
1**	1511.863	30.75	54.0	23.26	AV	125.00	300	Horizontal	Pass
2	2971.999	42.87	74.0	31.13	Peak	83.00	200	Horizontal	Pass
2**	2971.999	35.17	54.0	18.83	AV	83.00	200	Horizontal	Pass
3	4204.097	48.12	74.0	25.88	Peak	127.00	200	Horizontal	Pass
3**	4204.097	39.40	54.0	14.60	AV	127.00	200	Horizontal	Pass
4	7317.558	45.59	74.0	28.41	Peak	274.00	300	Horizontal	Pass
4**	7317.558	37.27	54.0	16.73	AV	274.00	300	Horizontal	Pass
5	12450.578	48.89	74.0	25.11	Peak	41.00	100	Horizontal	Pass
5**	12450.578	39.64	54.0	14.36	AV	41.00	100	Horizontal	Pass
6	15791.489	50.94	74.0	23.06	Peak	261.00	400	Horizontal	Pass
6**	15791.489	39.60	54.0	14.40	AV	261.00	400	Horizontal	Pass

11ac20, U-NII-1, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1493.369	37.34	74.0	36.66	Peak	216.00	400	Vertical	Pass
1**	1493.369	29.00	54.0	25.00	AV	216.00	400	Vertical	Pass
2	2988.899	41.37	74.0	32.63	Peak	354.00	400	Vertical	Pass
2**	2988.899	33.86	54.0	20.15	AV	354.00	400	Vertical	Pass
3	4202.111	47.17	74.0	26.83	Peak	235.00	200	Vertical	Pass
3**	4202.111	38.08	54.0	15.92	AV	235.00	200	Vertical	Pass
4	7379.918	43.83	74.0	30.17	Peak	68.00	200	Vertical	Pass
4**	7379.918	34.36	54.0	19.64	AV	68.00	200	Vertical	Pass
5	12595.140	48.09	74.0	25.91	Peak	241.00	200	Vertical	Pass
5**	12595.140	38.12	54.0	15.89	AV	241.00	200	Vertical	Pass
6	15819.412	49.76	74.0	24.24	Peak	113.00	300	Vertical	Pass
6**	15819.412	38.96	54.0	15.04	AV	113.00	300	Vertical	Pass

11ac20, U-NII-1, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1511.909	37.19	74.0	36.81	Peak	75.00	300	Horizontal	Pass
1**	1511.909	30.62	54.0	23.38	AV	75.00	300	Horizontal	Pass
2	2971.279	42.42	74.0	31.58	Peak	12.00	300	Horizontal	Pass
2**	2971.279	35.00	54.0	19.00	AV	12.00	300	Horizontal	Pass
3	4198.464	47.98	74.0	26.02	Peak	166.00	200	Horizontal	Pass
3**	4198.464	39.32	54.0	14.68	AV	166.00	200	Horizontal	Pass
4	7319.233	45.60	74.0	28.40	Peak	351.00	200	Horizontal	Pass
4**	7319.233	37.14	54.0	16.86	AV	351.00	200	Horizontal	Pass
5	12448.798	48.87	74.0	25.13	Peak	137.00	200	Horizontal	Pass
5**	12448.798	39.30	54.0	14.70	AV	137.00	200	Horizontal	Pass
6	15788.236	50.92	74.0	23.08	Peak	169.00	200	Horizontal	Pass
6**	15788.236	39.25	54.0	14.75	AV	169.00	200	Horizontal	Pass

11ac20, U-NII-1, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1490.470	37.25	74.0	36.75	Peak	89.00	100	Vertical	Pass
1**	1490.470	28.88	54.0	25.12	AV	89.00	100	Vertical	Pass
2	2987.309	41.21	74.0	32.79	Peak	320.00	300	Vertical	Pass
2**	2987.309	33.71	54.0	20.29	AV	320.00	300	Vertical	Pass
3	4196.606	47.08	74.0	26.92	Peak	32.00	200	Vertical	Pass
3**	4196.606	38.04	54.0	15.97	AV	32.00	200	Vertical	Pass
4	7378.060	43.67	74.0	30.33	Peak	324.00	300	Vertical	Pass
4**	7378.060	34.29	54.0	19.71	AV	324.00	300	Vertical	Pass
5	12595.759	47.97	74.0	26.03	Peak	218.00	300	Vertical	Pass
5**	12595.759	37.88	54.0	16.12	AV	218.00	300	Vertical	Pass
6	15818.972	49.73	74.0	24.28	Peak	170.00	200	Vertical	Pass
6**	15818.972	38.92	54.0	15.08	AV	170.00	200	Vertical	Pass

11ac40, U-NII-1, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1514.282	37.51	74.0	36.50	Peak	126.00	400	Horizontal	Pass
1**	1514.282	30.86	54.0	23.14	AV	126.00	400	Horizontal	Pass
2	2970.943	42.85	74.0	31.15	Peak	312.00	400	Horizontal	Pass
2**	2970.943	34.87	54.0	19.13	AV	312.00	400	Horizontal	Pass
3	4203.237	48.30	74.0	25.70	Peak	143.00	200	Horizontal	Pass
3**	4203.237	39.76	54.0	14.25	AV	143.00	200	Horizontal	Pass
4	7323.250	45.56	74.0	28.44	Peak	314.00	100	Horizontal	Pass
4**	7323.250	37.45	54.0	16.55	AV	314.00	100	Horizontal	Pass
5	12450.319	48.67	74.0	25.33	Peak	292.00	400	Horizontal	Pass
5**	12450.319	39.66	54.0	14.34	AV	292.00	400	Horizontal	Pass
6	15790.536	51.40	74.0	22.60	Peak	247.00	100	Horizontal	Pass
6**	15790.536	39.58	54.0	14.42	AV	247.00	100	Horizontal	Pass

11ac40, U-NII-1, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1495.960	37.18	74.0	36.82	Peak	176.00	200	Vertical	Pass
1**	1495.960	28.64	54.0	25.37	AV	176.00	200	Vertical	Pass
2	2990.591	41.01	74.0	32.99	Peak	309.00	200	Vertical	Pass
2**	2990.591	33.47	54.0	20.53	AV	309.00	200	Vertical	Pass
3	4202.285	46.99	74.0	27.01	Peak	12.00	200	Vertical	Pass
3**	4202.285	37.77	54.0	16.23	AV	12.00	200	Vertical	Pass
4	7381.438	43.42	74.0	30.58	Peak	88.00	100	Vertical	Pass
4**	7381.438	34.13	54.0	19.87	AV	88.00	100	Vertical	Pass
5	12594.801	47.97	74.0	26.03	Peak	357.00	400	Vertical	Pass
5**	12594.801	37.79	54.0	16.22	AV	357.00	400	Vertical	Pass
6	15817.754	49.61	74.0	24.39	Peak	281.00	100	Vertical	Pass
6**	15817.754	38.68	54.0	15.32	AV	281.00	100	Vertical	Pass

11ac40, U-NII-1, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1514.670	37.70	74.0	36.30	Peak	0.00	200	Horizontal	Pass
1**	1514.670	30.94	54.0	23.06	AV	0.00	200	Horizontal	Pass
2	2977.076	43.10	74.0	30.90	Peak	165.00	100	Horizontal	Pass
2**	2977.076	35.16	54.0	18.84	AV	165.00	100	Horizontal	Pass
3	4204.249	48.37	74.0	25.63	Peak	185.00	200	Horizontal	Pass
3**	4204.249	39.71	54.0	14.29	AV	185.00	200	Horizontal	Pass
4	7323.631	45.69	74.0	28.32	Peak	22.00	200	Horizontal	Pass
4**	7323.631	37.53	54.0	16.48	AV	22.00	200	Horizontal	Pass
5	12449.889	49.01	74.0	24.99	Peak	145.00	300	Horizontal	Pass
5**	12449.889	39.74	54.0	14.26	AV	145.00	300	Horizontal	Pass
6	15792.149	51.21	74.0	22.79	Peak	25.00	200	Horizontal	Pass
6**	15792.149	39.64	54.0	14.36	AV	25.00	200	Horizontal	Pass

11ac40, U-NII-1, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1494.940	38.45	74.0	35.55	Peak	74.00	200	Vertical	Pass
1**	1494.940	29.94	54.0	24.06	AV	74.00	200	Vertical	Pass
2	2992.182	43.08	74.0	30.92	Peak	145.00	300	Vertical	Pass
2**	2992.182	35.01	54.0	18.99	AV	145.00	300	Vertical	Pass
3	4201.711	48.42	74.0	25.58	Peak	357.00	200	Vertical	Pass
3**	4201.711	39.35	54.0	14.65	AV	357.00	200	Vertical	Pass
4	7376.202	45.40	74.0	28.60	Peak	331.00	100	Vertical	Pass
4**	7376.202	35.82	54.0	18.18	AV	331.00	100	Vertical	Pass
5	12600.991	49.26	74.0	24.74	Peak	132.00	300	Vertical	Pass
5**	12600.991	39.59	54.0	14.41	AV	132.00	300	Vertical	Pass
6	15812.278	50.62	74.0	23.38	Peak	317.00	300	Vertical	Pass
6**	15812.278	39.53	54.0	14.47	AV	317.00	300	Vertical	Pass

11ax20(SU), U-NII-1, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1509.106	37.56	74.0	36.44	Peak	69.00	400	Horizontal	Pass
1**	1509.106	30.94	54.0	23.06	AV	69.00	400	Horizontal	Pass
2	2972.008	42.84	74.0	31.16	Peak	117.00	400	Horizontal	Pass
2**	2972.008	34.65	54.0	19.35	AV	117.00	400	Horizontal	Pass
3	4198.355	48.06	74.0	25.94	Peak	120.00	200	Horizontal	Pass
3**	4198.355	39.78	54.0	14.22	AV	120.00	200	Horizontal	Pass
4	7321.714	45.73	74.0	28.27	Peak	25.00	300	Horizontal	Pass
4**	7321.714	37.45	54.0	16.55	AV	25.00	300	Horizontal	Pass
5	12450.475	48.72	74.0	25.29	Peak	292.00	300	Horizontal	Pass
5**	12450.475	39.69	54.0	14.32	AV	292.00	300	Horizontal	Pass
6	15792.806	51.20	74.0	22.80	Peak	143.00	300	Horizontal	Pass
6**	15792.806	39.38	54.0	14.62	AV	143.00	300	Horizontal	Pass

11ax20(SU), U-NII-1, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1491.380	37.78	74.0	36.22	Peak	102.00	400	Vertical	Pass
1**	1491.380	29.58	54.0	24.42	AV	102.00	400	Vertical	Pass
2	2988.246	42.41	74.0	31.59	Peak	289.00	400	Vertical	Pass
2**	2988.246	34.38	54.0	19.62	AV	289.00	400	Vertical	Pass
3	4197.894	48.07	74.0	25.93	Peak	226.00	200	Vertical	Pass
3**	4197.894	38.71	54.0	15.29	AV	226.00	200	Vertical	Pass
4	7380.647	44.82	74.0	29.18	Peak	84.00	200	Vertical	Pass
4**	7380.647	35.03	54.0	18.97	AV	84.00	200	Vertical	Pass
5	12595.046	48.94	74.0	25.07	Peak	162.00	200	Vertical	Pass
5**	12595.046	39.04	54.0	14.96	AV	162.00	200	Vertical	Pass
6	15813.817	50.14	74.0	23.86	Peak	269.00	400	Vertical	Pass
6**	15813.817	39.52	54.0	14.48	AV	269.00	400	Vertical	Pass

11ax20(SU), U-NII-1, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1507.900	37.58	74.0	36.42	Peak	275.00	400	Horizontal	Pass
1**	1507.900	30.82	54.0	23.18	AV	275.00	400	Horizontal	Pass
2	2973.548	43.10	74.0	30.90	Peak	110.00	100	Horizontal	Pass
2**	2973.548	34.99	54.0	19.01	AV	110.00	100	Horizontal	Pass
3	4199.121	48.24	74.0	25.77	Peak	107.00	200	Horizontal	Pass
3**	4199.121	39.79	54.0	14.21	AV	107.00	200	Horizontal	Pass
4	7317.339	45.76	74.0	28.24	Peak	192.00	400	Horizontal	Pass
4**	7317.339	37.42	54.0	16.58	AV	192.00	400	Horizontal	Pass
5	12450.856	48.93	74.0	25.07	Peak	10.00	400	Horizontal	Pass
5**	12450.856	39.85	54.0	14.15	AV	10.00	400	Horizontal	Pass
6	15789.899	51.28	74.0	22.72	Peak	100.00	200	Horizontal	Pass
6**	15789.899	39.71	54.0	14.29	AV	100.00	200	Horizontal	Pass

11ax20(SU), U-NII-1, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1492.705	38.46	74.0	35.54	Peak	288.00	300	Vertical	Pass
1**	1492.705	29.98	54.0	24.03	AV	288.00	300	Vertical	Pass
2	2993.140	43.00	74.0	31.00	Peak	192.00	100	Vertical	Pass
2**	2993.140	34.80	54.0	19.20	AV	192.00	100	Vertical	Pass
3	4201.773	48.57	74.0	25.43	Peak	61.00	200	Vertical	Pass
3**	4201.773	39.28	54.0	14.72	AV	61.00	200	Vertical	Pass
4	7375.640	45.43	74.0	28.57	Peak	52.00	400	Vertical	Pass
4**	7375.640	35.82	54.0	18.18	AV	52.00	400	Vertical	Pass
5	12593.639	49.34	74.0	24.67	Peak	70.00	300	Vertical	Pass
5**	12593.639	39.43	54.0	14.57	AV	70.00	300	Vertical	Pass
6	15818.908	50.40	74.0	23.60	Peak	224.00	100	Vertical	Pass
6**	15818.908	39.52	54.0	14.48	AV	224.00	100	Vertical	Pass